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UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 13F

FORM 13F INFORMATION TABLE

OMB APPROVAL

OMB Number: 3235-0006
Estimated average burden
hours per response: 23.8

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5		COLUMN 6	COLUMN 7	COLUMN 8			
			VALUE	SHRS OR	SH/	PUT/	INVESTMENT	OTHER	VOTING AUTHORITY		
NAME OF ISSUER	TITLE OF CLASS	CUSIP	(x\$1000)	PRN AMT	PRN	CALL	DISCRETION	MANAGER	SOLE	SHARED	NONE
1 800 FLOWERS COM INC	CL A	68243Q106	311	47,900	SH		SOLE		47,900	0	0
10X GENOMICS INC	CL A COM	88025U109	5,710	200,500	SH		SOLE		200,500	0	0
1LIFE HEALTHCARE INC	COM	68269G107	5,524	322,100	SH		SOLE		322,100	0	0
1ST SOURCE CORP	COM	336901103	2,027	43,789	SH		SOLE		43,789	0	0
23ANDME HOLDING CO	CLASS A COM	90138Q108	1,669	583,400	SH		SOLE		583,400	0	0
2SEVENTY BIO INC	COMMON STOCK	901384107	1,221	83,902	SH		SOLE		83,902	0	0
2U INC	COM	90214J101	1,143	182,800	SH		SOLE		182,800	0	0
3-D SYS CORP DEL	COM NEW	88554D205	2,466	309,050	SH		SOLE		309,050	0	0
3M CO	COM	88579Y101	266,450	2,411,308	SH		SOLE		2,411,308	0	0
4D MOLECULAR THERAPEUTICS IN	COM	35104E100	519	64,600	SH		SOLE		64,600	0	0
8X8 INC NEW	COM	282914100	865	250,800	SH		SOLE		250,800	0	0
908 DEVICES INC	COM	65443P102	722	43,900	SH		SOLE		43,900	0	0
A10 NETWORKS INC	COM	002121101	2,028	152,800	SH		SOLE		152,800	0	0
AAON INC	COM PAR \$0.004	000360206	5,423	100,650	SH		SOLE		100,650	0	0
AAR CORP	COM	000361105	2,995	83,600	SH		SOLE		83,600	0	0
ABBOTT LABS	COM	002824100	734,241	7,588,265	SH		SOLE		7,588,265	0	0
ABBVIE INC	COM	00287Y109	1,027,831	7,658,375	SH		SOLE		7,658,375	0	0
ABERCROMBIE & FITCH CO	CL A	002896207	1,858	119,500	SH		SOLE		119,500	0	0
ABIOMED INC	COM	003654100	48,472	197,314	SH		SOLE		197,314	0	0
ABM INDS INC	COM	000957100	6,063	158,600	SH		SOLE		158,600	0	0
ABSOLUTE SOFTWARE CORP	COM	00386B109	1,411	121,000	SH		SOLE		121,000	0	0
ACADEMY SPORTS & OUTDOORS IN	COM	00402L107	8,196	194,300	SH		SOLE		194,300	0	0
ACADIA HEALTHCARE COMPANY IN	COM	00404A109	16,783	214,668	SH		SOLE		214,668	0	0
ACADIA PHARMACEUTICALS INC	COM	004225108	4,697	287,104	SH		SOLE		287,104	0	0
ACADIA RLTY TR	COM SH BEN INT	004239109	2,840	225,000	SH		SOLE		225,000	0	0
ACCEL ENTERTAINMENT INC	COM CL A1	00436Q106	1,108	141,900	SH		SOLE		141,900	0	0
ACCENTURE PLC IRELAND	SHS CLASS A	G1151C101	706,273	2,744,938	SH		SOLE		2,744,938	0	0
ACCO BRANDS CORP	COM	00081T108	1,127	230,000	SH		SOLE		230,000	0	0

ACCOLADE INC	COM	00437E102	1,549	135,600	SH	SOLE	135,600	0	0
ACI WORLDWIDE INC	COM	004498101	5,405	258,600	SH	SOLE	258,600	0	0
ACLARIS THERAPEUTICS INC	COM	00461U105	1,739	110,500	SH	SOLE	110,500	0	0
ACM RESH INC	COM CL A	00108J109	1,278	102,600	SH	SOLE	102,600	0	0
ACTIVISION BLIZZARD INC	COM	00507V109	251,897	3,388,445	SH	SOLE	3,388,445	0	0
ACUITY BRANDS INC	COM	00508Y102	12,913	82,000	SH	SOLE	82,000	0	0
ACUSHNET HLDGS CORP	COM	005098108	3,723	85,600	SH	SOLE	85,600	0	0
ACV AUCTIONS INC	COM CL A	00091G104	1,828	254,300	SH	SOLE	254,300	0	0
ADAPTHEALTH CORP	COMMON STOCK	00653Q102	2,990	159,200	SH	SOLE	159,200	0	0
ADAPTIVE BIOTECHNOLOGIES COR	COM	00650F109	1,681	236,100	SH	SOLE	236,100	0	0
ADDUS HOMECARE CORP	COM	006739106	3,629	38,100	SH	SOLE	38,100	0	0
ADICET BIO INC	COM	007002108	602	42,300	SH	SOLE	42,300	0	0
ADIENT PLC	ORD SHS	G0084W101	6,238	224,798	SH	SOLE	224,798	0	0
ADOBE SYSTEMS INCORPORATED	COM	00724F101	563,524	2,047,689	SH	SOLE	2,047,689	0	0
ADT INC DEL	COM	00090Q103	3,025	403,900	SH	SOLE	403,900	0	0
ADTALEM GLOBAL ED INC	COM	00737L103	3,900	107,000	SH	SOLE	107,000	0	0
ADTHEORENT HOLDING COMPANY	COM	00739D109	109	50,500	SH	SOLE	50,500	0	0
ADTRAN HOLDINGS INC	COM	00486H105	3,401	173,678	SH	SOLE	173,678	0	0
ADVANCE AUTO PARTS INC	COM	00751Y106	41,089	262,819	SH	SOLE	262,819	0	0
ADVANCED DRAIN SYS INC DEL	COM	00790R104	19,899	160,000	SH	SOLE	160,000	0	0
ADVANCED ENERGY INDS	COM	007973100	6,889	89,000	SH	SOLE	89,000	0	0
ADVANCED MICRO DEVICES INC	COM	007903107	444,975	7,022,968	SH	SOLE	7,022,968	0	0
ADVANSIX INC	COM	00773T101	2,138	66,600	SH	SOLE	66,600	0	0
ADVANTAGE SOLUTIONS INC	COM CL A	00791N102	400	187,600	SH	SOLE	187,600	0	0
AECOM	COM	00766T100	21,720	317,680	SH	SOLE	317,680	0	0
AERCAP HOLDINGS NV	SHS	N00985106	24,797	585,800	SH	SOLE	585,800	0	0
AERIE PHARMACEUTICALS INC	COM	00771V108	1,570	103,800	SH	SOLE	103,800	0	0
AEROJET ROCKETDYNE HLDGS INC	COM	007800105	6,866	171,700	SH	SOLE	171,700	0	0
AEROVIRONMENT INC	COM	008073108	4,676	56,100	SH	SOLE	56,100	0	0
AERSALE CORPORATION	COM	00810F106	679	36,600	SH	SOLE	36,600	0	0
AES CORP	COM	00130H105	65,342	2,891,245	SH	SOLE	2,891,245	0	0
AEVA TECHNOLOGIES INC	COM	00835Q103	476	254,300	SH	SOLE	254,300	0	0
AEYE INC	CL A COM	008183105	264	237,600	SH	SOLE	237,600	0	0
AFFILIATED MANAGERS GROUP IN	COM	008252108	10,257	91,700	SH	SOLE	91,700	0	0
AFFIRM HLDGS INC	COM CL A	00827B106	15,638	833,575	SH	SOLE	833,575	0	0
AFLAC INC	COM	001055102	149,068	2,652,462	SH	SOLE	2,652,462	0	0
AGCO CORP	COM	001084102	14,454	150,300	SH	SOLE	150,300	0	0
AGENUS INC	COM NEW	00847G705	1,186	578,300	SH	SOLE	578,300	0	0

AGILENT TECHNOLOGIES INC	COM	00846U101	157,483	1,295,621	SH	SOLE	1,295,621	0	0
AGILITI INC	COM	00848J104	1,126	78,700	SH	SOLE	78,700	0	0
AGILON HEALTH INC	COM	00857U107	11,293	482,200	SH	SOLE	482,200	0	0
AGILYSYS INC	COM	00847J105	3,083	55,700	SH	SOLE	55,700	0	0
AGIOS PHARMACEUTICALS INC	COM	00847X104	3,308	116,960	SH	SOLE	116,960	0	0
AGNC INVT CORP	COM	00123Q104	10,449	1,241,000	SH	SOLE	1,241,000	0	0
AGNICO EAGLE MINES LTD	COM	008474108	87,296	2,049,727	SH	SOLE	2,049,727	0	0
AGREE RLTY CORP	COM	008492100	12,048	178,282	SH	SOLE	178,282	0	0
AIR LEASE CORP	CL A	00912X302	7,743	249,700	SH	SOLE	249,700	0	0
AIR PRODS & CHEMS INC	COM	009158106	223,665	961,048	SH	SOLE	961,048	0	0
AIR TRANSPORT SERVICES GRP I	COM	00922R105	1,056	43,850	SH	SOLE	43,850	0	0
AIRBNB INC	COM CL A	009066101	170,953	1,627,505	SH	SOLE	1,627,505	0	0
AKAMAI TECHNOLOGIES INC	COM	00971T101	55,757	694,185	SH	SOLE	694,185	0	0
AKERO THERAPEUTICS INC	COM	00973Y108	2,356	69,200	SH	SOLE	69,200	0	0
ALAMO GROUP INC	COM	011311107	3,118	25,500	SH	SOLE	25,500	0	0
ALAMOS GOLD INC NEW	COM CL A	011532108	7,002	937,036	SH	SOLE	937,036	0	0
ALARM COM HLDGS INC	COM	011642105	7,316	112,800	SH	SOLE	112,800	0	0
ALASKA AIR GROUP INC	COM	011659109	2,928	74,800	SH	SOLE	74,800	0	0
ALBANY INTL CORP	CL A	012348108	5,889	74,700	SH	SOLE	74,700	0	0
ALBEMARLE CORP	COM	012653101	134,201	507,492	SH	SOLE	507,492	0	0
ALBIREO PHARMA INC	COM	01345P106	792	40,900	SH	SOLE	40,900	0	0
ALCOA CORP	COM	013872106	26,881	798,594	SH	SOLE	798,594	0	0
ALECTOR INC	COM	014442107	1,200	126,900	SH	SOLE	126,900	0	0
ALEXANDER & BALDWIN INC NEW	COM	014491104	2,844	171,520	SH	SOLE	171,520	0	0
ALEXANDERS INC	COM	014752109	1,128	5,400	SH	SOLE	5,400	0	0
ALEXANDRIA REAL ESTATE EQ IN	COM	015271109	94,201	671,955	SH	SOLE	671,955	0	0
ALGOMA STL GROUP INC	COM	015658107	1,386	213,407	SH	SOLE	213,407	0	0
ALGONQUIN PWR UTILS CORP	COM	015857105	33,462	3,038,600	SH	SOLE	3,038,600	0	0
ALIGHT INC	COM CL A	01626W101	4,448	606,800	SH	SOLE	606,800	0	0
ALIGN TECHNOLOGY INC	COM	016255101	67,128	324,116	SH	SOLE	324,116	0	0
ALIGNMENT HEALTHCARE INC	COM	01625V104	2,366	199,800	SH	SOLE	199,800	0	0
ALKAMI TECHNOLOGY INC	COM	01644J108	646	42,900	SH	SOLE	42,900	0	0
ALKERMES PLC	SHS	G01767105	8,653	387,500	SH	SOLE	387,500	0	0
ALLBIRDS INC	COM CL A	01675A109	675	222,000	SH	SOLE	222,000	0	0
ALLEGHANY CORP MD	COM	017175100	48,896	58,253	SH	SOLE	58,253	0	0
ALLEGIANCE BANCSHARES INC	COM	01748H107	1,911	45,900	SH	SOLE	45,900	0	0
ALLEGiant TRAVEL CO	COM	01748X102	783	10,728	SH	SOLE	10,728	0	0
ALLEGION PLC	ORD SHS	G0176J109	34,125	380,515	SH	SOLE	380,515	0	0
ALLEGRO MICROSYSTEMS INC	COM	01749D105	3,454	158,100	SH	SOLE	158,100	0	0
ALLETE INC	COM NEW	018522300	6,762	135,100	SH	SOLE	135,100	0	0

ALLIANT ENERGY CORP	COM	018802108	57,595	1,086,910	SH	SOLE	1,086,910	0	0
ALLISON TRANSMISSION HLDGS I	COM	01973R101	7,782	230,500	SH	SOLE	230,500	0	0
ALLOGENE THERAPEUTICS INC	COM	019770106	2,206	204,300	SH	SOLE	204,300	0	0
ALLOVIR INC	COM	019818103	863	109,400	SH	SOLE	109,400	0	0
ALLSCRIPTS HEALTHCARE SOLUTN	COM	01988P108	4,190	275,100	SH	SOLE	275,100	0	0
ALLSTATE CORP	COM	020002101	148,398	1,191,661	SH	SOLE	1,191,661	0	0
ALNYLAM PHARMACEUTICALS INC	COM	02043Q107	104,806	523,610	SH	SOLE	523,610	0	0
ALPHA & OMEGA SEMICONDUCTOR	SHS	G6331P104	1,679	54,600	SH	SOLE	54,600	0	0
ALPHA METALLURGICAL RESOUR I	COM	020764106	5,775	42,200	SH	SOLE	42,200	0	0
ALPHABET INC	CAP STK CL A	02079K305	2,493,462	26,068,600	SH	SOLE	26,068,600	0	0
ALPHABET INC	CAP STK CL C	02079K107	2,350,448	24,445,640	SH	SOLE	24,445,640	0	0
ALPHATEC HLDGS INC	COM NEW	02081G201	1,476	168,900	SH	SOLE	168,900	0	0
ALTAIR ENGR INC	COM CL A	021369103	5,457	123,400	SH	SOLE	123,400	0	0
ALTERYX INC	COM CL A	02156B103	8,007	143,400	SH	SOLE	143,400	0	0
ALTICE USA INC	CL A	02156K103	2,990	512,800	SH	SOLE	512,800	0	0
ALTO INGREDIENTS INC	COM	021513106	640	175,700	SH	SOLE	175,700	0	0
ALTRA INDL MOTION CORP	COM	02208R106	5,188	154,300	SH	SOLE	154,300	0	0
ALTRIA GROUP INC	COM	02209S103	316,843	7,846,532	SH	SOLE	7,846,532	0	0
ALTUS POWER INC	COM CL A	02217A102	1,196	108,600	SH	SOLE	108,600	0	0
ALX ONCOLOGY HLDGS INC	COM	00166B105	412	43,000	SH	SOLE	43,000	0	0
AMALGAMATED FINANCIAL CORP	COM	022671101	828	36,700	SH	SOLE	36,700	0	0
A-MARK PRECIOUS METALS INC	COM	00181T107	1,241	43,700	SH	SOLE	43,700	0	0
AMAZON COM INC	COM	023135106	4,484,297	39,684,040	SH	SOLE	39,684,040	0	0
AMBAC FINL GROUP INC	COM NEW	023139884	1,362	106,800	SH	SOLE	106,800	0	0
AMBARELLA INC	SHS	G037AX101	4,822	85,833	SH	SOLE	85,833	0	0
AMC ENTMT HLDGS INC	CL A COM	00165C104	15,611	2,239,741	SH	SOLE	2,239,741	0	0
AMC NETWORKS INC	CL A	00164V103	1,362	67,100	SH	SOLE	67,100	0	0
AMCOR PLC	ORD	G0250X107	69,884	6,512,998	SH	SOLE	6,512,998	0	0
AMEDISYS INC	COM	023436108	7,472	77,200	SH	SOLE	77,200	0	0
AMER SOFTWARE INC	CL A	029683109	1,140	74,400	SH	SOLE	74,400	0	0
AMER STATES WTR CO	COM	029899101	6,828	87,600	SH	SOLE	87,600	0	0
AMERANT BANCORP INC	CL A	023576101	1,510	60,800	SH	SOLE	60,800	0	0
AMERCO	COM	023586100	21,570	42,359	SH	SOLE	42,359	0	0
AMEREN CORP	COM	023608102	90,142	1,119,087	SH	SOLE	1,119,087	0	0
AMERESCO INC	CL A	02361E108	5,066	76,200	SH	SOLE	76,200	0	0
AMERICAN AIRLS GROUP INC	COM	02376R102	4,635	385,000	SH	SOLE	385,000	0	0
AMERICAN ASSETS TR INC	COM	024013104	3,125	121,500	SH	SOLE	121,500	0	0
AMERICAN AXLE & MFG HLDGS IN	COM	024061103	1,854	271,500	SH	SOLE	271,500	0	0
AMERICAN EAGLE OUTFITTERS IN	COM	02553E106	3,713	381,600	SH	SOLE	381,600	0	0

AMERICAN ELEC PWR CO INC	COM	025537101	192,402	2,225,592	SH	SOLE	2,225,592	0	0
AMERICAN EQTY INVT LIFE HLD	COM	025676206	6,996	187,600	SH	SOLE	187,600	0	0
AMERICAN FINL GROUP INC OHIO	COM	025932104	38,315	311,681	SH	SOLE	311,681	0	0
AMERICAN HOMES 4 RENT	CL A	02665T306	44,455	1,354,917	SH	SOLE	1,354,917	0	0
AMERICAN INTL GROUP INC	COM NEW	026874784	163,003	3,433,097	SH	SOLE	3,433,097	0	0
AMERICAN PUB ED INC	COM	02913V103	405	44,300	SH	SOLE	44,300	0	0
AMERICAN TOWER CORP NEW	COM	03027X100	424,539	1,977,359	SH	SOLE	1,977,359	0	0
AMERICAN VANGUARD CORP	COM	030371108	1,231	65,851	SH	SOLE	65,851	0	0
AMERICAN WELL CORP	CL A	03044L105	1,689	470,400	SH	SOLE	470,400	0	0
AMERICAN WOODMARK CORPORATIO	COM	030506109	1,719	39,200	SH	SOLE	39,200	0	0
AMERICAN WTR WKS CO INC NEW	COM	030420103	102,467	787,238	SH	SOLE	787,238	0	0
AMERICAS CAR-MART INC	COM	03062T105	879	14,400	SH	SOLE	14,400	0	0
AMERICOLD REALTY TRUST INC	COM	03064D108	15,707	638,500	SH	SOLE	638,500	0	0
AMERIS BANCORP	COM	03076K108	6,995	156,444	SH	SOLE	156,444	0	0
AMERISAFE INC	COM	03071H100	2,136	45,700	SH	SOLE	45,700	0	0
AMERISOURCEBERGEN CORP	COM	03073E105	92,139	680,847	SH	SOLE	680,847	0	0
AMETEK INC	COM	031100100	113,465	1,000,486	SH	SOLE	1,000,486	0	0
AMGEN INC	COM	031162100	521,807	2,315,026	SH	SOLE	2,315,026	0	0
AMICUS THERAPEUTICS INC	COM	03152W109	5,202	498,300	SH	SOLE	498,300	0	0
AMKOR TECHNOLOGY INC	COM	031652100	4,453	261,200	SH	SOLE	261,200	0	0
AMMO INC	COM	00175J107	598	204,200	SH	SOLE	204,200	0	0
AMN HEALTHCARE SVCS INC	COM	001744101	11,232	106,000	SH	SOLE	106,000	0	0
AMNEAL PHARMACEUTICALS INC	COM STK CL A	03168L105	464	229,600	SH	SOLE	229,600	0	0
AMPHASTAR PHARMACEUTICALS IN	COM	03209R103	2,602	92,600	SH	SOLE	92,600	0	0
AMPHENOL CORP NEW	CL A	032095101	173,281	2,587,823	SH	SOLE	2,587,823	0	0
AMPLITUDE INC	COM CL A	03213A104	1,753	113,300	SH	SOLE	113,300	0	0
AMYRIS INC	COM NEW	03236M200	1,218	417,000	SH	SOLE	417,000	0	0
ANALOG DEVICES INC	COM	032654105	313,898	2,252,748	SH	SOLE	2,252,748	0	0
ANAPTYSBIO INC	COM	032724106	1,023	40,100	SH	SOLE	40,100	0	0
ANAVEX LIFE SCIENCES CORP	COM NEW	032797300	1,895	183,600	SH	SOLE	183,600	0	0
ANDERSONS INC	COM	034164103	2,366	76,250	SH	SOLE	76,250	0	0
ANGI INC	COM CL A NEW	00183L102	503	170,400	SH	SOLE	170,400	0	0
ANGIODYNAMICS INC	COM	03475V101	1,868	91,300	SH	SOLE	91,300	0	0
ANI PHARMACEUTICALS INC	COM	00182C103	987	30,700	SH	SOLE	30,700	0	0
ANIKA THERAPEUTICS INC	COM	035255108	814	34,200	SH	SOLE	34,200	0	0
ANSYS INC	COM	03662Q105	83,642	377,277	SH	SOLE	377,277	0	0
ANTERIX INC	COM	03676C100	1,123	31,450	SH	SOLE	31,450	0	0

ANTERO MIDSTREAM CORP	COM	03676B102	6,769	737,400	SH	SOLE	737,400	0	0
ANTERO RESOURCES CORP	COM	03674X106	20,269	663,900	SH	SOLE	663,900	0	0
ANYWHERE REAL ESTATE INC	COM	75605Y106	2,272	280,200	SH	SOLE	280,200	0	0
AON PLC	SHS CL A	G0403H108	246,541	920,374	SH	SOLE	920,374	0	0
APA CORPORATION	COM	03743Q108	50,116	1,465,800	SH	SOLE	1,465,800	0	0
APARTMENT INCOME REIT CORP	COM	03750L109	14,385	372,484	SH	SOLE	372,484	0	0
APARTMENT INVT & MGMT CO	CL A	03748R747	2,643	362,084	SH	SOLE	362,084	0	0
APELLIS PHARMACEUTICALS INC	COM	03753U106	13,803	202,100	SH	SOLE	202,100	0	0
API GROUP CORP	COM STK	00187Y100	5,137	387,100	SH	SOLE	387,100	0	0
APOGEE ENTERPRISES INC	COM	037598109	2,010	52,600	SH	SOLE	52,600	0	0
APOLLO COML REAL EST FIN INC	COM	03762U105	2,629	316,739	SH	SOLE	316,739	0	0
APOLLO MED HLDGS INC	COM NEW	03763A207	3,629	93,044	SH	SOLE	93,044	0	0
APPFOLIO INC	COM CL A	03783C100	4,733	45,200	SH	SOLE	45,200	0	0
APPHARVEST INC	COM	03783T103	330	167,400	SH	SOLE	167,400	0	0
APPIAN CORP	CL A	03782L101	3,360	82,300	SH	SOLE	82,300	0	0
APPLE HOSPITALITY REIT INC	COM NEW	03784Y200	7,249	515,610	SH	SOLE	515,610	0	0
APPLE INC	COM	037833100	9,693,708	70,142,608	SH	SOLE	70,142,608	0	0
APPLIED INDL TECHNOLOGIES IN	COM	03820C105	9,374	91,200	SH	SOLE	91,200	0	0
APPLIED MATLS INC	COM	038222105	308,882	3,770,070	SH	SOLE	3,770,070	0	0
APPLOVIN CORP	COM CL A	03831W108	10,030	514,600	SH	SOLE	514,600	0	0
APTARGROUP INC	COM	038336103	14,777	155,500	SH	SOLE	155,500	0	0
APTIV PLC	SHS	G6095L109	91,836	1,174,217	SH	SOLE	1,174,217	0	0
ARAMARK	COM	03852U106	31,207	1,000,212	SH	SOLE	1,000,212	0	0
ARBOR REALTY TRUST INC	COM	038923108	3,931	341,851	SH	SOLE	341,851	0	0
ARCBEST CORP	COM	03937C105	4,211	57,900	SH	SOLE	57,900	0	0
ARCH CAP GROUP LTD	ORD	G0450A105	74,157	1,628,389	SH	SOLE	1,628,389	0	0
ARCHAEA ENERGY INC	COM CL A	03940F103	2,918	162,000	SH	SOLE	162,000	0	0
ARCHER DANIELS MIDLAND CO	COM	039483102	196,182	2,438,562	SH	SOLE	2,438,562	0	0
ARCHROCK INC	COM	03957W106	2,127	331,300	SH	SOLE	331,300	0	0
ARCONIC CORPORATION	COM	03966V107	4,274	250,800	SH	SOLE	250,800	0	0
ARCOSA INC	COM	039653100	6,553	114,600	SH	SOLE	114,600	0	0
ARCTURUS THERAPEUTICS HLDGS	COM	03969T109	828	55,900	SH	SOLE	55,900	0	0
ARCUS BIOSCIENCES INC	COM	03969F109	2,668	101,996	SH	SOLE	101,996	0	0
ARCUTIS BIOTHERAPEUTICS INC	COM	03969K108	1,869	97,800	SH	SOLE	97,800	0	0
ARES COML REAL ESTATE CORP	COM	04013V108	1,272	121,700	SH	SOLE	121,700	0	0
ARES MANAGEMENT CORPORATION	CL A COM STK	03990B101	21,420	345,766	SH	SOLE	345,766	0	0
ARGAN INC	COM	04010E109	1,132	35,200	SH	SOLE	35,200	0	0
ARGO GROUP INTL HLDGS LTD	COM	G0464B107	1,589	82,516	SH	SOLE	82,516	0	0
ARISTA NETWORKS INC	COM	040413106	120,649	1,068,728	SH	SOLE	1,068,728	0	0

ARKO CORP	COM	041242108	1,089	115,961	SH	SOLE	115,961	0	0
ARLO TECHNOLOGIES INC	COM	04206A101	956	206,000	SH	SOLE	206,000	0	0
ARMADA HOFFLER PPTYS INC	COM	04208T108	1,667	160,600	SH	SOLE	160,600	0	0
ARMOUR RESIDENTIAL REIT INC	COM NEW	042315507	1,191	244,612	SH	SOLE	244,612	0	0
ARMSTRONG WORLD INDS INC NEW	COM	04247X102	8,826	111,400	SH	SOLE	111,400	0	0
ARRAY TECHNOLOGIES INC	COM SHS	04271T100	5,609	338,300	SH	SOLE	338,300	0	0
ARROW ELECTRS INC	COM	042735100	26,780	290,482	SH	SOLE	290,482	0	0
ARROW FINL CORP	COM	042744102	1,126	39,055	SH	SOLE	39,055	0	0
ARROWHEAD PHARMACEUTICALS IN	COM	04280A100	7,873	238,200	SH	SOLE	238,200	0	0
ARTISAN PARTNERS ASSET MGMT	CL A	04316A108	4,303	159,800	SH	SOLE	159,800	0	0
ARTIVION INC	COM	228903100	1,319	95,300	SH	SOLE	95,300	0	0
ARVINAS INC	COM	04335A105	4,769	107,200	SH	SOLE	107,200	0	0
ASANA INC	CL A	04342Y104	3,639	163,700	SH	SOLE	163,700	0	0
ASBURY AUTOMOTIVE GROUP INC	COM	043436104	7,540	49,900	SH	SOLE	49,900	0	0
ASGN INC	COM	00191U102	10,953	121,200	SH	SOLE	121,200	0	0
ASHLAND INC	COM	044186104	11,577	121,900	SH	SOLE	121,900	0	0
ASPEN AEROGELS INC	COM	04523Y105	710	77,000	SH	SOLE	77,000	0	0
ASPEN TECHNOLOGY INC	COM	29109X106	15,255	64,044	SH	SOLE	64,044	0	0
ASSETMARK FINL HLDGS INC	COM	04546L106	949	51,900	SH	SOLE	51,900	0	0
ASSOCIATED BANC CORP	COM	045487105	7,145	355,840	SH	SOLE	355,840	0	0
ASSURANT INC	COM	04621X108	34,072	234,544	SH	SOLE	234,544	0	0
ASSURED GUARANTY LTD	COM	G0585R106	6,996	144,400	SH	SOLE	144,400	0	0
ASTEC INDS INC	COM	046224101	1,690	54,200	SH	SOLE	54,200	0	0
ASTRA SPACE INC	COM CL A	04634X103	162	264,500	SH	SOLE	264,500	0	0
AT&T INC	COM	00206R102	475,928	31,025,262	SH	SOLE	31,025,262	0	0
ATAI LIFE SCIENCES NV	SHS	N0731H103	940	283,900	SH	SOLE	283,900	0	0
ATARA BIOTHERAPEUTICS INC	COM	046513107	705	186,400	SH	SOLE	186,400	0	0
ATEA PHARMACEUTICALS INC	COM	04683R106	1,003	176,200	SH	SOLE	176,200	0	0
ATI INC	COM	01741R102	7,834	294,400	SH	SOLE	294,400	0	0
ATKORE INC	COM	047649108	7,952	102,200	SH	SOLE	102,200	0	0
ATLANTIC UN BANKSHARES CORP	COM	04911A107	5,403	177,847	SH	SOLE	177,847	0	0
ATLANTICUS HOLDINGS CORP	COM	04914Y102	328	12,500	SH	SOLE	12,500	0	0
ATLAS AIR WORLDWIDE HLDGS IN	COM NEW	049164205	1,596	16,700	SH	SOLE	16,700	0	0
ATLAS CORP	SHARES	Y0436Q109	2,936	211,200	SH	SOLE	211,200	0	0
ATMOS ENERGY CORP	COM	049560105	61,354	602,392	SH	SOLE	602,392	0	0
ATN INTL INC	COM	00215F107	1,011	26,200	SH	SOLE	26,200	0	0
ATRICURE INC	COM	04963C209	4,078	104,300	SH	SOLE	104,300	0	0
ATRION CORP	COM	049904105	1,922	3,402	SH	SOLE	3,402	0	0
AUDACY INC	CL A	05070N103	109	282,300	SH	SOLE	282,300	0	0
AUDICODES LTD	ORD	M15342104	1,313	60,803	SH	SOLE	60,803	0	0

AURINIA PHARMACEUTICALS INC	COM	05156V102	2,148	285,700	SH	SOLE	285,700	0	0
AURORA CANNABIS INC	COM	05156X884	839	684,672	SH	SOLE	684,672	0	0
AUTODESK INC	COM	052769106	176,095	942,694	SH	SOLE	942,694	0	0
AUTOHOME INC	SPADS RP CL A	05278C107	5,691	197,889	SH	SOLE	197,889	0	0
AUTOLIV INC	COM	052800109	13,113	196,800	SH	SOLE	196,800	0	0
AUTOMATIC DATA PROCESSING IN	COM	053015103	411,761	1,820,423	SH	SOLE	1,820,423	0	0
AUTONATION INC	COM	05329W102	9,158	89,900	SH	SOLE	89,900	0	0
AUTOZONE INC	COM	053332102	181,685	84,823	SH	SOLE	84,823	0	0
AVALARA INC	COM	05338G106	34,928	380,475	SH	SOLE	380,475	0	0
AVALONBAY CMNTYS INC	COM	053484101	111,505	605,380	SH	SOLE	605,380	0	0
AVANOS MED INC	COM	05350V106	2,444	112,200	SH	SOLE	112,200	0	0
AVANTOR INC	COM	05352A100	51,791	2,642,383	SH	SOLE	2,642,383	0	0
AVAYA HLDGS CORP	COM	05351X101	316	198,900	SH	SOLE	198,900	0	0
AVEANNA HEALTHCARE HLDGS INC	COM	05356F105	163	108,800	SH	SOLE	108,800	0	0
AVEPOINT INC	COM CL A	053604104	774	193,100	SH	SOLE	193,100	0	0
AVERY DENNISON CORP	COM	053611109	57,626	354,187	SH	SOLE	354,187	0	0
AVID BIOSERVICES INC	COM	05368M106	2,799	146,400	SH	SOLE	146,400	0	0
AVID TECHNOLOGY INC	COM	05367P100	1,972	84,800	SH	SOLE	84,800	0	0
AVIDITY BIOSCIENCES INC	COM	05370A108	1,445	88,500	SH	SOLE	88,500	0	0
AVIDXCHANGE HOLDINGS INC	COM	05368X102	977	116,000	SH	SOLE	116,000	0	0
AVIENT CORPORATION	COM	05368V106	6,569	216,800	SH	SOLE	216,800	0	0
AVIS BUDGET GROUP	COM	053774105	11,045	74,400	SH	SOLE	74,400	0	0
AVISTA CORP	COM	05379B107	6,365	171,800	SH	SOLE	171,800	0	0
AVNET INC	COM	053807103	8,365	231,600	SH	SOLE	231,600	0	0
AXALTA COATING SYS LTD	COM	G0750C108	11,061	525,200	SH	SOLE	525,200	0	0
AXCELIS TECHNOLOGIES INC	COM NEW	054540208	4,742	78,300	SH	SOLE	78,300	0	0
AXIS CAP HLDGS LTD	SHS	G0692U109	9,442	192,100	SH	SOLE	192,100	0	0
AXON ENTERPRISE INC	COM	05464C101	18,520	160,000	SH	SOLE	160,000	0	0
AXONICS INC	COM	05465P101	6,290	89,300	SH	SOLE	89,300	0	0
AXOS FINANCIAL INC	COM	05465C100	4,357	127,300	SH	SOLE	127,300	0	0
AXSOME THERAPEUTICS INC	COM	05464T104	3,088	69,200	SH	SOLE	69,200	0	0
AZEK CO INC	CL A	05478C105	4,586	275,950	SH	SOLE	275,950	0	0
AZENTA INC	COM	114340102	7,621	177,800	SH	SOLE	177,800	0	0
AZZ INC	COM	002474104	2,136	58,500	SH	SOLE	58,500	0	0
B & G FOODS INC NEW	COM	05508R106	2,693	163,300	SH	SOLE	163,300	0	0
B. RILEY FINANCIAL INC	COM	05580M108	1,621	36,400	SH	SOLE	36,400	0	0
B2GOLD CORP	COM	11777Q209	8,177	2,523,500	SH	SOLE	2,523,500	0	0
BABCOCK & WILCOX ENTERPRISES	COM	05614L209	914	143,300	SH	SOLE	143,300	0	0
BADGER METER INC	COM	056525108	6,412	69,400	SH	SOLE	69,400	0	0
BAKER HUGHES COMPANY	CL A	05722G100	89,433	4,266,852	SH	SOLE	4,266,852	0	0
BALCHEM CORP	COM	057665200	9,264	76,200	SH	SOLE	76,200	0	0
BALL CORP	COM	058498106	66,957	1,385,699	SH	SOLE	1,385,699	0	0

BALLARD PWR SYS INC NEW	COM	058586108	3,518	569,900	SH	SOLE	569,900	0	0
BALLY'S CORPORATION	COM	05875B106	1,601	81,025	SH	SOLE	81,025	0	0
BANC OF CALIFORNIA INC	COM	05990K106	2,191	137,200	SH	SOLE	137,200	0	0
BANCFIRST CORP	COM	05945F103	3,822	42,718	SH	SOLE	42,718	0	0
BANCORP INC DEL	COM	05969A105	2,664	121,200	SH	SOLE	121,200	0	0
BANDWIDTH INC	COM CL A	05988J103	649	54,500	SH	SOLE	54,500	0	0
BANK FIRST CORP	COM	06211J100	1,485	19,417	SH	SOLE	19,417	0	0
BANK HAWAII CORP	COM	062540109	7,272	95,537	SH	SOLE	95,537	0	0
BANK MARIN BANCORP	COM	063425102	1,126	37,600	SH	SOLE	37,600	0	0
BANK OZK	COM	06417N103	11,110	280,833	SH	SOLE	280,833	0	0
BANKUNITED INC	COM	06652K103	6,626	193,900	SH	SOLE	193,900	0	0
BANNER CORP	COM NEW	06652V208	4,815	81,500	SH	SOLE	81,500	0	0
BAR HBR BANKSHARES	COM	066849100	941	35,500	SH	SOLE	35,500	0	0
BARK INC	COM	68622E104	259	142,300	SH	SOLE	142,300	0	0
BARNES GROUP INC	COM	067806109	3,298	114,200	SH	SOLE	114,200	0	0
BARRETT BUSINESS SVCS INC	COM	068463108	1,357	17,400	SH	SOLE	17,400	0	0
BATH & BODY WORKS INC	COM	070830104	33,695	1,033,600	SH	SOLE	1,033,600	0	0
BAUSCH HEALTH COS INC	COM	071734107	8,476	1,217,460	SH	SOLE	1,217,460	0	0
BAXTER INTL INC	COM	071813109	117,527	2,182,075	SH	SOLE	2,182,075	0	0
BCE INC	COM NEW	05534B760	13,816	326,854	SH	SOLE	326,854	0	0
BEACON ROOFING SUPPLY INC	COM	073685109	7,135	130,400	SH	SOLE	130,400	0	0
BEAM THERAPEUTICS INC	COM	07373V105	6,350	133,300	SH	SOLE	133,300	0	0
BECTON DICKINSON & CO	COM	075887109	275,272	1,235,346	SH	SOLE	1,235,346	0	0
BED BATH & BEYOND INC	COM	075896100	980	160,900	SH	SOLE	160,900	0	0
BEIGENE LTD	SPONSORED ADR	07725L102	17,363	128,785	SH	SOLE	128,785	0	0
BELDEN INC	COM	077454106	6,296	104,900	SH	SOLE	104,900	0	0
BELLRING BRANDS INC	COMMON STOCK	07831C103	6,664	323,324	SH	SOLE	323,324	0	0
BELLUS HEALTH INC NEW	COM NEW	07987C204	2,040	191,700	SH	SOLE	191,700	0	0
BENCHMARK ELECTRS INC	COM	08160H101	2,064	83,300	SH	SOLE	83,300	0	0
BENEFITFOCUS INC	COM	08180D106	402	63,300	SH	SOLE	63,300	0	0
BENSON HILL INC	COMMON STOCK	082490103	728	265,600	SH	SOLE	265,600	0	0
BENTLEY SYS INC	COM CL B	08265T208	25,607	837,100	SH	SOLE	837,100	0	0
BERKLEY W R CORP	COM	084423102	59,374	919,392	SH	SOLE	919,392	0	0
BERKSHIRE HILLS BANCORP INC	COM	084680107	2,910	106,600	SH	SOLE	106,600	0	0
BERRY CORP	COM	08579X101	1,006	134,100	SH	SOLE	134,100	0	0
BERRY GLOBAL GROUP INC	COM	08579W103	14,379	309,018	SH	SOLE	309,018	0	0
BEST BUY INC	COM	086516101	55,579	877,473	SH	SOLE	877,473	0	0
BEYOND MEAT INC	COM	08862E109	1,921	135,600	SH	SOLE	135,600	0	0
BGC PARTNERS INC	CL A	05541T101	2,327	741,108	SH	SOLE	741,108	0	0
BIG LOTS INC	COM	089302103	1,004	64,306	SH	SOLE	64,306	0	0
BIGCOMMERCE HLDGS INC	COM SER 1	08975P108	2,041	137,900	SH	SOLE	137,900	0	0

BILL COM HLDGS INC	COM	090043100	53,835	406,700	SH	SOLE	406,700	0	0
BIO RAD LABS INC	CL A	090572207	40,448	96,965	SH	SOLE	96,965	0	0
BIOCRYST PHARMACEUTICALS INC	COM	09058V103	5,546	440,168	SH	SOLE	440,168	0	0
BIOGEN INC	COM	09062X103	169,484	634,772	SH	SOLE	634,772	0	0
BIOHAVEN PHARMACTL HLDG CO L	COM	G11196105	21,648	143,200	SH	SOLE	143,200	0	0
BIOLIFE SOLUTIONS INC	COM NEW	09062W204	1,715	75,400	SH	SOLE	75,400	0	0
BIOMARIN PHARMACEUTICAL INC	COM	09061G101	67,968	801,798	SH	SOLE	801,798	0	0
BIONANO GENOMICS INC	COM	09075F107	1,251	683,800	SH	SOLE	683,800	0	0
BIO-TECHNE CORP	COM	09073M104	48,252	169,900	SH	SOLE	169,900	0	0
BIOVENTUS INC	COM CL A	09075A108	500	71,400	SH	SOLE	71,400	0	0
BIOXCEL THERAPEUTICS INC	COM	09075P105	547	46,300	SH	SOLE	46,300	0	0
BJS RESTAURANTS INC	COM	09180C106	1,314	55,100	SH	SOLE	55,100	0	0
BJS WHSL CLUB HLDGS INC	COM	05550J101	23,343	320,600	SH	SOLE	320,600	0	0
BLACK HILLS CORP	COM	092113109	10,415	153,779	SH	SOLE	153,779	0	0
BLACK KNIGHT INC	COM	09215C105	43,749	675,871	SH	SOLE	675,871	0	0
BLACKBAUD INC	COM	09227Q100	4,704	106,753	SH	SOLE	106,753	0	0
BLACKBERRY LTD	COM	09228F103	11,697	2,462,050	SH	SOLE	2,462,050	0	0
BLACKLINE INC	COM	09239B109	8,003	133,600	SH	SOLE	133,600	0	0
BLACKSTONE MTG TR INC	COM CL A	09257W100	8,953	383,600	SH	SOLE	383,600	0	0
BLADE AIR MOBILITY INC	CL A COM	092667104	404	100,200	SH	SOLE	100,200	0	0
BLINK CHARGING CO	COM	09354A100	1,616	91,200	SH	SOLE	91,200	0	0
BLOCK H & R INC	COM	093671105	16,097	378,400	SH	SOLE	378,400	0	0
BLOCK INC	CL A	852234103	123,637	2,248,347	SH	SOLE	2,248,347	0	0
BLOOM ENERGY CORP	COM CL A	093712107	7,696	385,000	SH	SOLE	385,000	0	0
BLOOMIN BRANDS INC	COM	094235108	3,670	200,200	SH	SOLE	200,200	0	0
BLUCORA INC	COM	095229100	1,949	100,800	SH	SOLE	100,800	0	0
BLUE BIRD CORP	COM	095306106	347	41,611	SH	SOLE	41,611	0	0
BLUE OWL CAPITAL INC	COM CL A	09581B103	5,517	597,700	SH	SOLE	597,700	0	0
BLUELINX HLDGS INC	COM NEW	09624H208	1,428	23,000	SH	SOLE	23,000	0	0
BLUEPRINT MEDICINES CORP	COM	09627Y109	9,310	141,300	SH	SOLE	141,300	0	0
BLUEROCK RESIDENTIAL GWT REI	COM CL A	09627J102	1,891	70,700	SH	SOLE	70,700	0	0
BOEING CO	COM	097023105	294,917	2,435,722	SH	SOLE	2,435,722	0	0
BOISE CASCADE CO DEL	COM	09739D100	5,560	93,500	SH	SOLE	93,500	0	0
BOK FINL CORP	COM NEW	05561Q201	6,458	72,674	SH	SOLE	72,674	0	0
BOOKING HOLDINGS INC	COM	09857L108	289,264	176,036	SH	SOLE	176,036	0	0
BOOT BARN HLDGS INC	COM	099406100	4,121	70,500	SH	SOLE	70,500	0	0
BOOZ ALLEN HAMILTON HLDG COR	CL A	099502106	52,925	573,091	SH	SOLE	573,091	0	0
BORGWARNER INC	COM	099724106	32,544	1,036,444	SH	SOLE	1,036,444	0	0
BORR DRILLING LTD	SHS	G1466R173	1,118	329,028	SH	SOLE	329,028	0	0
BOSTON BEER INC	CL A	100557107	7,444	23,000	SH	SOLE	23,000	0	0
BOSTON OMAHA CORP	CL A COM STK	101044105	1,087	47,163	SH	SOLE	47,163	0	0

BOSTON PROPERTIES INC	COM	101121101	48,318	644,494	SH	SOLE	644,494	0	0
BOSTON SCIENTIFIC CORP	COM	101137107	239,947	6,195,380	SH	SOLE	6,195,380	0	0
BOWLERO CORP	CL A COM	10258P102	1,179	95,800	SH	SOLE	95,800	0	0
BOX INC	CL A	10316T104	8,295	340,100	SH	SOLE	340,100	0	0
BOXED INC	COM	103174108	60	64,900	SH	SOLE	64,900	0	0
BOYD GAMING CORP	COM	103304101	9,287	194,900	SH	SOLE	194,900	0	0
BRADY CORP	CL A	104674106	4,620	110,700	SH	SOLE	110,700	0	0
BRANDYWINE RLTY TR	SH BEN INT NEW	105368203	2,732	404,700	SH	SOLE	404,700	0	0
BRAZE INC	COM CL A	10576N102	2,226	63,900	SH	SOLE	63,900	0	0
BRC INC	COM CL A	05601U105	475	61,400	SH	SOLE	61,400	0	0
BREAD FINANCIAL HOLDINGS INC	COM	018581108	3,712	118,023	SH	SOLE	118,023	0	0
BRIDGEBIO PHARMA INC	COM	10806X102	1,556	156,500	SH	SOLE	156,500	0	0
BRIGHAM MINERALS INC	CL A COM	10918L103	2,909	117,900	SH	SOLE	117,900	0	0
BRIGHT HORIZONS FAM SOL IN D	COM	109194100	8,122	140,879	SH	SOLE	140,879	0	0
BRIGHTHOUSE FINL INC	COM	10922N103	7,711	177,600	SH	SOLE	177,600	0	0
BRIGHTSPHERE INVT GROUP INC	COM	10948W103	1,172	78,626	SH	SOLE	78,626	0	0
BRIGHTSPIRE CAPITAL INC	COM CL A	10949T109	1,471	233,100	SH	SOLE	233,100	0	0
BRIGHTVIEW HLDGS INC	COM	10948C107	613	77,200	SH	SOLE	77,200	0	0
BRINKER INTL INC	COM	109641100	2,598	104,000	SH	SOLE	104,000	0	0
BRINKS CO	COM	109696104	5,401	111,500	SH	SOLE	111,500	0	0
BRISTOL-MYERS SQUIBB CO	COM	110122108	655,937	9,226,857	SH	SOLE	9,226,857	0	0
BRISTOW GROUP INC	COM	11040G103	392	16,700	SH	SOLE	16,700	0	0
BRIXMOR PPTY GROUP INC	COM	11120U105	13,119	710,300	SH	SOLE	710,300	0	0
BROADCOM INC	COM	11135F101	777,036	1,750,042	SH	SOLE	1,750,042	0	0
BROADMARK RLTY CAP INC	COM	11135B100	1,609	314,900	SH	SOLE	314,900	0	0
BROADRIDGE FINL SOLUTIONS IN	COM	11133T103	73,312	507,982	SH	SOLE	507,982	0	0
BROADSTONE NET LEASE INC	COM	11135E203	6,235	401,500	SH	SOLE	401,500	0	0
BROOKDALE SR LIVING INC	COM	112463104	1,702	398,539	SH	SOLE	398,539	0	0
BROOKFIELD ASSET MGMT REINS	CL A EXCH LT VTG	G16169107	920	22,300	SH	SOLE	22,300	0	0
BROOKFIELD INFRASTRUCTURE CO	COM SB VTG SHS A	11275Q107	9,741	237,377	SH	SOLE	237,377	0	0
BROOKFIELD RENEWABLE CORP	CL A SUB VTG	11284V105	19,137	580,950	SH	SOLE	580,950	0	0
BROOKLINE BANCORP INC DEL	COM	11373M107	2,139	183,600	SH	SOLE	183,600	0	0
BROWN & BROWN INC	COM	115236101	62,807	1,038,475	SH	SOLE	1,038,475	0	0
BROWN FORMAN CORP	CL B	115637209	89,368	1,342,471	SH	SOLE	1,342,471	0	0
BRP GROUP INC	COM CL A	05589G102	3,692	140,100	SH	SOLE	140,100	0	0
BRP INC	COM SUN VTG	05577W200	10,627	171,144	SH	SOLE	171,144	0	0
BRUKER CORP	COM	116794108	13,148	247,800	SH	SOLE	247,800	0	0
BRUNSWICK CORP	COM	117043109	11,755	179,600	SH	SOLE	179,600	0	0
BTRS HOLDINGS INC	COM CL 1	11778X104	1,757	189,700	SH	SOLE	189,700	0	0

BUCKLE INC	COM	118440106	2,257	71,300	SH	SOLE	71,300	0	0
BUILDERS FIRSTSOURCE INC	COM	12008R107	24,139	409,687	SH	SOLE	409,687	0	0
BUMBLE INC	COM CL A	12047B105	3,630	168,900	SH	SOLE	168,900	0	0
BUNGE LIMITED	COM	G16962105	54,295	657,565	SH	SOLE	657,565	0	0
BURFORD CAP LTD	ORD SHS	G17977110	3,262	440,266	SH	SOLE	440,266	0	0
BURLINGTON STORES INC	COM	122017106	32,040	286,352	SH	SOLE	286,352	0	0
BUTTERFLY NETWORK INC	COM CL A	124155102	1,250	265,900	SH	SOLE	265,900	0	0
BWX TECHNOLOGIES INC	COM	05605H100	10,890	216,200	SH	SOLE	216,200	0	0
BYLINE BANCORP INC	COM	124411109	1,079	53,300	SH	SOLE	53,300	0	0
C H ROBINSON WORLDWIDE INC	COM NEW	12541W209	53,130	551,661	SH	SOLE	551,661	0	0
C3 AI INC	CL A	12468P104	2,288	183,000	SH	SOLE	183,000	0	0
C4 THERAPEUTICS INC	COM STK	12529R107	705	80,400	SH	SOLE	80,400	0	0
CABLE ONE INC	COM	12685J105	20,011	23,458	SH	SOLE	23,458	0	0
CABOT CORP	COM	127055101	8,548	133,800	SH	SOLE	133,800	0	0
CACI INTL INC	CL A	127190304	14,489	55,500	SH	SOLE	55,500	0	0
CACTUS INC	CL A	127203107	5,507	143,300	SH	SOLE	143,300	0	0
CADENCE BANK	COM	12740C103	11,111	437,253	SH	SOLE	437,253	0	0
CADENCE DESIGN SYSTEM INC	COM	127387108	195,291	1,194,955	SH	SOLE	1,194,955	0	0
CADRE HLDGS INC	COM	12763L105	739	30,700	SH	SOLE	30,700	0	0
CAE INC	COM	124765108	22,022	1,424,100	SH	SOLE	1,424,100	0	0
CAESARS ENTERTAINMENT INC NE	COM	12769G100	29,924	927,600	SH	SOLE	927,600	0	0
CAL MAINE FOODS INC	COM NEW	128030202	4,948	89,000	SH	SOLE	89,000	0	0
CALAVO GROWERS INC	COM	128246105	1,324	41,700	SH	SOLE	41,700	0	0
CALERES INC	COM	129500104	2,189	90,400	SH	SOLE	90,400	0	0
CALIFORNIA RES CORP	COM STOCK	13057Q305	4,954	128,900	SH	SOLE	128,900	0	0
CALIFORNIA WTR SVC GROUP	COM	130788102	6,718	127,500	SH	SOLE	127,500	0	0
CALIX INC	COM	13100M509	8,431	137,900	SH	SOLE	137,900	0	0
CALLON PETE CO DEL	COM	13123X508	4,096	117,000	SH	SOLE	117,000	0	0
CAMBIUM NETWORKS CORP	SHS	G17766109	481	28,400	SH	SOLE	28,400	0	0
CAMDEN NATL CORP	COM	133034108	1,481	34,761	SH	SOLE	34,761	0	0
CAMDEN PPTY TR	SH BEN INT	133131102	52,383	438,538	SH	SOLE	438,538	0	0
CAMECO CORP	COM	13321L108	47,939	1,791,900	SH	SOLE	1,791,900	0	0
CAMPBELL SOUP CO	COM	134429109	43,088	914,428	SH	SOLE	914,428	0	0
CAMPING WORLD HLDGS INC	CL A	13462K109	2,378	93,900	SH	SOLE	93,900	0	0
CAMTEK LTD	ORD	M20791105	1,582	68,350	SH	SOLE	68,350	0	0
CANADA GOOSE HLDGS INC	SHS SUB VTG	135086106	1,986	129,500	SH	SOLE	129,500	0	0
CANADIAN NAT RES LTD	COM	136385101	243,643	5,192,287	SH	SOLE	5,192,287	0	0
CANADIAN NATL RY CO	COM	136375102	287,697	2,642,658	SH	SOLE	2,642,658	0	0
CANADIAN PAC RY LTD	COM	13645T100	281,458	4,182,648	SH	SOLE	4,182,648	0	0
CANNAE HLDGS INC	COM	13765N107	3,743	181,194	SH	SOLE	181,194	0	0
CANO HEALTH INC	COM CL A	13781Y103	2,989	344,800	SH	SOLE	344,800	0	0
CANOO INC	COM CL A	13803R102	476	254,000	SH	SOLE	254,000	0	0

CANOPY GROWTH CORP	COM	138035100	1,712	625,600	SH	SOLE	625,600	0	0
CANTALOUPE INC	COM	138103106	438	125,800	SH	SOLE	125,800	0	0
CAPITAL CITY BK GROUP INC	COM	139674105	992	31,900	SH	SOLE	31,900	0	0
CAPITOL FED FINL INC	COM	14057J101	2,589	311,900	SH	SOLE	311,900	0	0
CAPRI HOLDINGS LIMITED	SHS	G1890L107	13,454	350,000	SH	SOLE	350,000	0	0
CARA THERAPEUTICS INC	COM	140755109	1,011	108,000	SH	SOLE	108,000	0	0
CARDINAL HEALTH INC	COM	14149Y108	78,723	1,180,609	SH	SOLE	1,180,609	0	0
CARDIOVASCULAR SYS INC DEL	COM	141619106	1,328	95,800	SH	SOLE	95,800	0	0
CARDLYTICS INC	COM	14161W105	760	80,900	SH	SOLE	80,900	0	0
CAREDX INC	COM	14167L103	2,148	126,200	SH	SOLE	126,200	0	0
CAREMAX INC	COM CL A	14171W103	803	113,200	SH	SOLE	113,200	0	0
CARETRUST REIT INC	COM	14174T107	4,155	229,449	SH	SOLE	229,449	0	0
CARGURUS INC	COM CL A	141788109	2,925	206,400	SH	SOLE	206,400	0	0
CARIBOU BIOSCIENCES INC	COM	142038108	1,207	114,400	SH	SOLE	114,400	0	0
CARLISLE COS INC	COM	142339100	62,952	224,500	SH	SOLE	224,500	0	0
CARMAX INC	COM	143130102	45,841	694,353	SH	SOLE	694,353	0	0
CARNIVAL CORP	COMMON STOCK	143658300	29,920	4,256,027	SH	SOLE	4,256,027	0	0
CARPARTS COM INC	COM	14427M107	530	102,600	SH	SOLE	102,600	0	0
CARPENTER TECHNOLOGY CORP	COM	144285103	3,566	114,500	SH	SOLE	114,500	0	0
CARRIAGE SVCS INC	COM	143905107	1,022	31,771	SH	SOLE	31,771	0	0
CARRIER GLOBAL CORPORATION	COM	14448C104	130,738	3,676,548	SH	SOLE	3,676,548	0	0
CARS COM INC	COM	14575E105	1,800	156,500	SH	SOLE	156,500	0	0
CARTERS INC	COM	146229109	6,258	95,500	SH	SOLE	95,500	0	0
CARVANA CO	CL A	146869102	4,330	213,300	SH	SOLE	213,300	0	0
CASA SYS INC	COM	14713L102	315	100,500	SH	SOLE	100,500	0	0
CASELLA WASTE SYS INC	CL A	147448104	9,174	120,100	SH	SOLE	120,100	0	0
CASEYS GEN STORES INC	COM	147528103	17,819	87,987	SH	SOLE	87,987	0	0
CASS INFORMATION SYS INC	COM	14808P109	1,067	30,752	SH	SOLE	30,752	0	0
CASSAVA SCIENCES INC	COM	14817C107	3,755	89,800	SH	SOLE	89,800	0	0
CASTLE BIOSCIENCES INC	COM	14843C105	1,380	52,900	SH	SOLE	52,900	0	0
CATALENT INC	COM	148806102	53,328	736,980	SH	SOLE	736,980	0	0
CATALYST PHARMACEUTICALS INC	COM	14888U101	2,973	231,700	SH	SOLE	231,700	0	0
CATERPILLAR INC	COM	149123101	379,261	2,311,441	SH	SOLE	2,311,441	0	0
CATHAY GEN BANCORP	COM	149150104	6,519	169,500	SH	SOLE	169,500	0	0
CAVCO INDS INC DEL	COM	149568107	4,198	20,400	SH	SOLE	20,400	0	0
CBIZ INC	COM	124805102	4,761	111,300	SH	SOLE	111,300	0	0
CBL & ASSOC PPTYS INC	COMMON STOCK	124830878	768	30,000	SH	SOLE	30,000	0	0
CBRE GROUP INC	CL A	12504L109	95,630	1,416,526	SH	SOLE	1,416,526	0	0
CBTX INC	COM	12481V104	1,189	40,658	SH	SOLE	40,658	0	0
CCC INTELLIGENT SOLUTIONS HL	COM	12510Q100	2,651	291,300	SH	SOLE	291,300	0	0
CDW CORP	COM	12514G108	91,422	585,740	SH	SOLE	585,740	0	0

CELANESE CORP DEL	COM	150870103	42,402	469,363	SH	SOLE	469,363	0	0
CELESTICA INC	SUB VTG SHS	15101Q108	2,138	251,700	SH	SOLE	251,700	0	0
CELLDEX THERAPEUTICS INC NEW	COM NEW	15117B202	2,479	88,200	SH	SOLE	88,200	0	0
CELLEBRITE DI LTD	ORDINARY SHARES	M2197Q107	349	89,000	SH	SOLE	89,000	0	0
CELSIUS HLDGS INC	COM NEW	15118V207	8,914	98,300	SH	SOLE	98,300	0	0
CELULARITY INC	COM CL A	151190105	150	64,836	SH	SOLE	64,836	0	0
CENOVUS ENERGY INC	COM	15135U109	96,569	6,236,035	SH	SOLE	6,236,035	0	0
CENTENE CORP DEL	COM	15135B101	197,222	2,534,665	SH	SOLE	2,534,665	0	0
CENTERPOINT ENERGY INC	COM	15189T107	76,867	2,727,722	SH	SOLE	2,727,722	0	0
CENTERRA GOLD INC	COM	152006102	2,364	532,700	SH	SOLE	532,700	0	0
CENTERSPACE	COM	15202L107	2,450	36,400	SH	SOLE	36,400	0	0
CENTRAL GARDEN & PET CO	CL A NON-VTG	153527205	3,413	99,900	SH	SOLE	99,900	0	0
CENTRAL GARDEN & PET CO	COM	153527106	867	24,050	SH	SOLE	24,050	0	0
CENTRAL PAC FINL CORP	COM NEW	154760409	1,349	65,200	SH	SOLE	65,200	0	0
CENTRUS ENERGY CORP	CL A	15643U104	1,070	26,100	SH	SOLE	26,100	0	0
CENTURY ALUM CO	COM	156431108	624	118,250	SH	SOLE	118,250	0	0
CENTURY CMNTYS INC	COM	156504300	3,006	70,266	SH	SOLE	70,266	0	0
CERENCE INC	COM	156727109	1,469	93,250	SH	SOLE	93,250	0	0
CEREVEL THERAPEUTICS HLDNG I	COM	15678U128	3,976	140,700	SH	SOLE	140,700	0	0
CERIDIAN HCM HLDG INC	COM	15677J108	33,272	595,410	SH	SOLE	595,410	0	0
CERTARA INC	COM	15687V109	3,272	246,400	SH	SOLE	246,400	0	0
CERUS CORP	COM	157085101	1,510	419,500	SH	SOLE	419,500	0	0
CEVA INC	COM	157210105	1,443	55,000	SH	SOLE	55,000	0	0
CF INDS HLDGS INC	COM	125269100	87,016	904,066	SH	SOLE	904,066	0	0
CGI INC	CL A SUB VTG	12532H104	74,014	975,300	SH	SOLE	975,300	0	0
CHAMPIONX CORPORATION	COM	15872M104	9,439	482,322	SH	SOLE	482,322	0	0
CHANGE HEALTHCARE INC	COM	15912K100	16,611	604,251	SH	SOLE	604,251	0	0
CHANNELADVISOR CORP	COM	159179100	1,450	64,000	SH	SOLE	64,000	0	0
CHARGEPOINT HOLDINGS INC	COM CL A	15961R105	7,681	520,400	SH	SOLE	520,400	0	0
CHARLES RIV LABS INTL INC	COM	159864107	43,335	220,200	SH	SOLE	220,200	0	0
CHART INDS INC	COM	16115Q308	16,002	86,800	SH	SOLE	86,800	0	0
CHARTER COMMUNICATIONS INC N	CL A	16119P108	154,479	509,243	SH	SOLE	509,243	0	0
CHASE CORP	COM	16150R104	1,588	19,000	SH	SOLE	19,000	0	0
CHATHAM LODGING TR	COM	16208T102	1,078	109,200	SH	SOLE	109,200	0	0
CHECK POINT SOFTWARE TECH LT	ORD	M22465104	48,751	435,200	SH	SOLE	435,200	0	0
CHEESECAKE FACTORY INC	COM	163072101	3,300	112,700	SH	SOLE	112,700	0	0
CHEFS WHSE INC	COM	163086101	2,364	81,600	SH	SOLE	81,600	0	0
CHEGG INC	COM	163092109	6,289	298,500	SH	SOLE	298,500	0	0

CHEMED CORP NEW	COM	16359R103	15,498	35,500	SH	SOLE	35,500	0	0
CHEMOCENTRYX INC	COM	16383L106	6,979	135,100	SH	SOLE	135,100	0	0
CHEMOURS CO	COM	163851108	9,088	368,700	SH	SOLE	368,700	0	0
CHENIERE ENERGY INC	COM NEW	16411R208	164,536	991,718	SH	SOLE	991,718	0	0
CHESAPEAKE ENERGY CORP	COM	165167735	25,587	271,600	SH	SOLE	271,600	0	0
CHESAPEAKE UTILS CORP	COM	165303108	4,852	42,050	SH	SOLE	42,050	0	0
CHEVRON CORP NEW	COM	166764100	1,162,194	8,089,332	SH	SOLE	8,089,332	0	0
CHEWY INC	CL A	16679L109	12,382	403,050	SH	SOLE	403,050	0	0
CHICOS FAS INC	COM	168615102	1,436	296,700	SH	SOLE	296,700	0	0
CHILDRENS PL INC NEW	COM	168905107	942	30,500	SH	SOLE	30,500	0	0
CHIMERA INVT CORP	COM NEW	16934Q208	2,934	562,080	SH	SOLE	562,080	0	0
CHIMERIX INC	COM	16934W106	375	194,400	SH	SOLE	194,400	0	0
CHINOOK THERAPEUTICS INC	COM	16961L106	1,838	93,500	SH	SOLE	93,500	0	0
CHIPOTLE MEXICAN GRILL INC	COM	169656105	182,183	121,232	SH	SOLE	121,232	0	0
CHOICE HOTELS INTL INC	COM	169905106	9,415	85,967	SH	SOLE	85,967	0	0
CHORD ENERGY CORPORATION	COM NEW	674215207	13,022	95,210	SH	SOLE	95,210	0	0
CHUBB LIMITED	COM	H1467J104	335,957	1,847,137	SH	SOLE	1,847,137	0	0
CHURCH & DWIGHT CO INC	COM	171340102	75,106	1,051,317	SH	SOLE	1,051,317	0	0
CHURCHILL DOWNS INC	COM	171484108	14,953	81,200	SH	SOLE	81,200	0	0
CHUYS HLDGS INC	COM	171604101	1,038	44,800	SH	SOLE	44,800	0	0
CI FINL CORP	COM	125491100	4,296	444,600	SH	SOLE	444,600	0	0
CIENA CORP	COM NEW	171779309	14,583	360,700	SH	SOLE	360,700	0	0
CIGNA CORP NEW	COM	125523100	381,511	1,374,963	SH	SOLE	1,374,963	0	0
CIMPRESS PLC	SHS EURO	G2143T103	982	40,100	SH	SOLE	40,100	0	0
CINCINNATI FINL CORP	COM	172062101	59,111	659,939	SH	SOLE	659,939	0	0
CINCOR PHARMA INC	COM	17240Y109	1,319	40,200	SH	SOLE	40,200	0	0
CINEMARK HLDGS INC	COM	17243V102	3,113	257,100	SH	SOLE	257,100	0	0
CINTAS CORP	COM	172908105	154,913	399,065	SH	SOLE	399,065	0	0
CIPHER MINING INC	COM	17253J106	147	116,500	SH	SOLE	116,500	0	0
CIRCOR INTL INC	COM	17273K109	748	45,350	SH	SOLE	45,350	0	0
CIRRUS LOGIC INC	COM	172755100	9,157	133,100	SH	SOLE	133,100	0	0
CISCO SYS INC	COM	17275R102	717,833	17,945,820	SH	SOLE	17,945,820	0	0
CITY HLDG CO	COM	177835105	3,148	35,500	SH	SOLE	35,500	0	0
CITY OFFICE REIT INC	COM	178587101	1,026	102,900	SH	SOLE	102,900	0	0
CIVITAS RESOURCES INC	COM NEW	17888H103	7,514	130,930	SH	SOLE	130,930	0	0
CLARIVATE PLC	ORD SHS	G21810109	12,331	1,313,200	SH	SOLE	1,313,200	0	0
CLARUS CORP NEW	COM	18270P109	766	56,900	SH	SOLE	56,900	0	0
CLEAN ENERGY FUELS CORP	COM	184499101	2,257	422,658	SH	SOLE	422,658	0	0
CLEAN HARBORS INC	COM	184496107	13,484	122,600	SH	SOLE	122,600	0	0
CLEAR CHANNEL OUTDOOR HLDGS	COM	18453H106	1,081	788,900	SH	SOLE	788,900	0	0
CLEAR SECURE INC	COM CL A	18467V109	1,703	74,500	SH	SOLE	74,500	0	0
CLEARFIELD INC	COM	18482P103	2,909	27,800	SH	SOLE	27,800	0	0
CLEARWATER ANALYTICS HLDGS I	CL A	185123106	1,105	65,800	SH	SOLE	65,800	0	0

CLEARWATER PAPER CORP	COM	18538R103	1,504	40,000	SH	SOLE	40,000	0	0
CLEARWAY ENERGY INC	CL A	18539C105	2,388	82,050	SH	SOLE	82,050	0	0
CLEARWAY ENERGY INC	CL C	18539C204	6,190	194,350	SH	SOLE	194,350	0	0
CLEVELAND-CLIFFS INC NEW	COM	185899101	30,592	2,271,140	SH	SOLE	2,271,140	0	0
CLOROX CO DEL	COM	189054109	68,443	533,083	SH	SOLE	533,083	0	0
CLOUDFLARE INC	CL A COM	18915M107	60,675	1,097,000	SH	SOLE	1,097,000	0	0
CLOVER HEALTH INVESTMENTS CO	COM CL A	18914F103	1,298	763,700	SH	SOLE	763,700	0	0
CMS ENERGY CORP	COM	125896100	73,249	1,257,717	SH	SOLE	1,257,717	0	0
CNH INDL N V	SHS	N20944109	50,540	4,446,619	SH	SOLE	4,446,619	0	0
CNO FINL GROUP INC	COM	12621E103	4,938	274,800	SH	SOLE	274,800	0	0
CNX RES CORP	COM	12653C108	7,184	462,558	SH	SOLE	462,558	0	0
COCA COLA CO	COM	191216100	999,822	17,847,594	SH	SOLE	17,847,594	0	0
COCA COLA CONS INC	COM	191098102	4,885	11,865	SH	SOLE	11,865	0	0
COCA-COLA EUROPACIFIC PARTNE	SHS	G25839104	38,064	893,097	SH	SOLE	893,097	0	0
CODEXIS INC	COM	192005106	836	138,000	SH	SOLE	138,000	0	0
COEUR MNG INC	COM NEW	192108504	2,277	665,900	SH	SOLE	665,900	0	0
COGENT COMMUNICATIONS HLDGS	COM NEW	19239V302	5,336	102,300	SH	SOLE	102,300	0	0
COGNEX CORP	COM	192422103	31,211	752,980	SH	SOLE	752,980	0	0
COGNIZANT TECHNOLOGY SOLUTIO	CL A	192446102	129,729	2,258,512	SH	SOLE	2,258,512	0	0
COGNYTE SOFTWARE LTD	ORD SHS	M25133105	642	158,800	SH	SOLE	158,800	0	0
COHEN & STEERS INC	COM	19247A100	3,977	63,500	SH	SOLE	63,500	0	0
COHERENT CORP	COM	19247G107	10,659	305,866	SH	SOLE	305,866	0	0
COHERUS BIOSCIENCES INC	COM	19249H103	1,412	146,900	SH	SOLE	146,900	0	0
COHU INC	COM	192576106	2,966	115,050	SH	SOLE	115,050	0	0
COLGATE PALMOLIVE CO	COM	194162103	242,354	3,449,873	SH	SOLE	3,449,873	0	0
COLLEGIUM PHARMACEUTICAL INC	COM	19459J104	1,240	77,400	SH	SOLE	77,400	0	0
COLLIERS INTL GROUP INC	SUB VTG SHS	194693107	7,548	81,700	SH	SOLE	81,700	0	0
COLUMBIA BKG SYS INC	COM	197236102	5,388	186,507	SH	SOLE	186,507	0	0
COLUMBIA FINL INC	COM	197641103	1,965	92,988	SH	SOLE	92,988	0	0
COLUMBIA SPORTSWEAR CO	COM	198516106	5,519	82,000	SH	SOLE	82,000	0	0
COLUMBUS MCKINNON CORP N Y	COM	199333105	1,761	67,311	SH	SOLE	67,311	0	0
COMCAST CORP NEW	CL A	20030N101	568,252	19,374,429	SH	SOLE	19,374,429	0	0
COMERICA INC	COM	200340107	22,048	310,100	SH	SOLE	310,100	0	0
COMFORT SYS USA INC	COM	199908104	8,302	85,300	SH	SOLE	85,300	0	0
COMMERCE BANCSHARES INC	COM	200525103	17,047	257,663	SH	SOLE	257,663	0	0
COMMERCIAL METALS CO	COM	201723103	10,222	288,100	SH	SOLE	288,100	0	0
COMMSCOPE HLDG CO INC	COM	20337X109	4,527	491,500	SH	SOLE	491,500	0	0
COMMUNITY BK SYS INC	COM	203607106	7,678	127,800	SH	SOLE	127,800	0	0

COMMUNITY HEALTH SYS INC NEW	COM	203668108	618	287,426	SH	SOLE	287,426	0	0
COMMUNITY HEALTHCARE TR INC	COM	20369C106	1,841	56,200	SH	SOLE	56,200	0	0
COMMUNITY TR BANCORP INC	COM	204149108	1,540	37,990	SH	SOLE	37,990	0	0
COMMVAULT SYS INC	COM	204166102	5,049	95,200	SH	SOLE	95,200	0	0
COMPANIA DE MINAS BUENAVENTU	SPONSORED ADR	204448104	4,798	712,855	SH	SOLE	712,855	0	0
COMPASS DIVERSIFIED	SH BEN INT	20451Q104	2,705	149,800	SH	SOLE	149,800	0	0
COMPASS INC	CL A	20464U100	1,298	559,300	SH	SOLE	559,300	0	0
COMPASS MINERALS INTL INC	COM	20451N101	3,119	80,950	SH	SOLE	80,950	0	0
COMPUTER PROGRAMS & SYS INC	COM	205306103	917	32,900	SH	SOLE	32,900	0	0
COMSTOCK RES INC	COM	205768302	3,819	220,900	SH	SOLE	220,900	0	0
COMTECH TELECOMMUNICATIONS C	COM NEW	205826209	624	62,300	SH	SOLE	62,300	0	0
CONAGRA BRANDS INC	COM	205887102	67,847	2,079,290	SH	SOLE	2,079,290	0	0
CONCENTRIX CORP	COM	20602D101	11,809	105,785	SH	SOLE	105,785	0	0
CONDUENT INC	COM	206787103	1,366	409,054	SH	SOLE	409,054	0	0
CONMED CORP	COM	207410101	5,612	70,000	SH	SOLE	70,000	0	0
CONNECTONE BANCORP INC	COM	20786W107	1,944	84,300	SH	SOLE	84,300	0	0
CONOCOPHILLIPS	COM	20825C104	573,670	5,605,529	SH	SOLE	5,605,529	0	0
CONSENSUS CLOUD SOLUTIONS IN	COM	20848V105	2,019	42,677	SH	SOLE	42,677	0	0
CONSOLIDATED COMM HLDGS INC	COM	209034107	740	177,847	SH	SOLE	177,847	0	0
CONSOLIDATED EDISON INC	COM	209115104	131,673	1,535,369	SH	SOLE	1,535,369	0	0
CONSTELLATION BRANDS INC	CL A	21036P108	162,025	705,436	SH	SOLE	705,436	0	0
CONSTELLATION ENERGY CORP	COM	21037T109	117,787	1,415,883	SH	SOLE	1,415,883	0	0
CONSTRUCTION PARTNERS INC	COM CL A	21044C107	2,563	97,700	SH	SOLE	97,700	0	0
CONTAINER STORE GROUP INC	COM	210751103	382	77,900	SH	SOLE	77,900	0	0
CONTEXTLOGIC INC	COM CL A	21077C107	834	1,136,300	SH	SOLE	1,136,300	0	0
COOPER COS INC	COM NEW	216648402	56,291	213,305	SH	SOLE	213,305	0	0
COPART INC	COM	217204106	98,629	926,965	SH	SOLE	926,965	0	0
CORCEPT THERAPEUTICS INC	COM	218352102	5,814	226,765	SH	SOLE	226,765	0	0
CORE & MAIN INC	CL A	21874C102	3,627	159,500	SH	SOLE	159,500	0	0
CORE LABORATORIES N V	COM	N22717107	1,475	109,400	SH	SOLE	109,400	0	0
CORECIVIC INC	COM	21871N101	2,549	288,318	SH	SOLE	288,318	0	0
CORNING INC	COM	219350105	101,002	3,480,415	SH	SOLE	3,480,415	0	0
CORPORATE OFFICE PPTYS TR	SH BEN INT	22002T108	6,193	266,600	SH	SOLE	266,600	0	0
CORSAIR GAMING INC	COM	22041X102	1,027	90,500	SH	SOLE	90,500	0	0
CORTEVA INC	COM	22052L104	179,219	3,135,939	SH	SOLE	3,135,939	0	0
CORVEL CORP	COM	221006109	3,170	22,900	SH	SOLE	22,900	0	0
COSTAR GROUP INC	COM	22160N109	119,595	1,717,090	SH	SOLE	1,717,090	0	0
COSTCO WHSL CORP NEW	COM	22160K105	906,758	1,919,999	SH	SOLE	1,919,999	0	0
COTERRA ENERGY INC	COM	127097103	91,238	3,493,020	SH	SOLE	3,493,020	0	0

COTY INC	COM CL A	222070203	5,031	796,001	SH	SOLE	796,001	0	0
COUCHBASE INC	COM	22207T101	521	36,500	SH	SOLE	36,500	0	0
COUPA SOFTWARE INC	COM	22266L106	18,998	323,091	SH	SOLE	323,091	0	0
COURSERA INC	COM	22266M104	1,473	136,600	SH	SOLE	136,600	0	0
COUSINS PTYS INC	COM NEW	222795502	8,236	352,733	SH	SOLE	352,733	0	0
COVETRUS INC	COM	22304C100	5,526	264,640	SH	SOLE	264,640	0	0
COWEN INC	CL A NEW	223622606	2,393	61,925	SH	SOLE	61,925	0	0
CRA INTL INC	COM	12618T105	1,562	17,600	SH	SOLE	17,600	0	0
CRACKER BARREL OLD CTRY STOR	COM	22410J106	4,847	52,350	SH	SOLE	52,350	0	0
CRANE HLDGS CO	COM	22444I105	9,892	113,000	SH	SOLE	113,000	0	0
CREDICORP LTD	COM	G2519Y108	24,137	196,552	SH	SOLE	196,552	0	0
CREDIT ACCEP CORP MICH	COM	225310101	6,823	15,577	SH	SOLE	15,577	0	0
CREDO TECHNOLOGY GROUP HOLDI	ORDINARY SHARES	G25457105	750	68,200	SH	SOLE	68,200	0	0
CRESCENT ENERGY COMPANY	CL A COM	44952J104	1,220	90,580	SH	SOLE	90,580	0	0
CRESCENT PT ENERGY CORP	COM	22576C101	8,487	1,368,200	SH	SOLE	1,368,200	0	0
CRICUT INC	COM CL A	22658D100	573	61,900	SH	SOLE	61,900	0	0
CRINETICS PHARMACEUTICALS IN	COM	22663K107	1,728	88,000	SH	SOLE	88,000	0	0
CRISPR THERAPEUTICS AG	NAMEN AKT	H17182108	11,404	174,500	SH	SOLE	174,500	0	0
CROCS INC	COM	227046109	10,024	146,000	SH	SOLE	146,000	0	0
CRONOS GROUP INC	COM	22717L101	1,385	490,400	SH	SOLE	490,400	0	0
CROSS CTRY HEALTHCARE INC	COM	227483104	2,443	86,100	SH	SOLE	86,100	0	0
CROSSFIRST BANKSHARES INC	COM	22766M109	1,473	112,900	SH	SOLE	112,900	0	0
CROWDSTRIKE HLDGS INC	CL A	22788C105	144,767	878,387	SH	SOLE	878,387	0	0
CROWN CASTLE INC	COM	22822V101	271,273	1,876,671	SH	SOLE	1,876,671	0	0
CROWN HLDGS INC	COM	228368106	43,199	533,123	SH	SOLE	533,123	0	0
CRYOPORT INC	COM PAR \$0.001	229050307	2,853	117,100	SH	SOLE	117,100	0	0
CS DISCO INC	COM	126327105	343	34,300	SH	SOLE	34,300	0	0
CSG SYS INTL INC	COM	126349109	4,066	76,900	SH	SOLE	76,900	0	0
CSW INDUSTRIALS INC	COM	126402106	4,235	35,349	SH	SOLE	35,349	0	0
CSX CORP	COM	126408103	251,025	9,422,857	SH	SOLE	9,422,857	0	0
CTS CORP	COM	126501105	3,161	75,900	SH	SOLE	75,900	0	0
CUBESMART	COM	229663109	21,320	532,200	SH	SOLE	532,200	0	0
CULLEN FROST BANKERS INC	COM	229899109	19,093	144,400	SH	SOLE	144,400	0	0
CULLINAN ONCOLOGY INC	COM	230031106	396	30,900	SH	SOLE	30,900	0	0
CUMMINS INC	COM	231021106	124,482	611,674	SH	SOLE	611,674	0	0
CUREVAC N V	COM	N2451R105	1,080	132,051	SH	SOLE	132,051	0	0
CURO GROUP HOLDINGS CORP	COM	23131L107	173	43,100	SH	SOLE	43,100	0	0
CURTISS WRIGHT CORP	COM	231561101	12,691	91,200	SH	SOLE	91,200	0	0
CUSHMAN WAKEFIELD PLC	SHS	G2717B108	3,980	347,600	SH	SOLE	347,600	0	0
CUSTOMERS BANCORP INC	COM	23204G100	2,190	74,300	SH	SOLE	74,300	0	0
CUTERA INC	COM	232109108	1,573	34,500	SH	SOLE	34,500	0	0

CVB FINL CORP	COM	126600105	8,470	334,500	SH	SOLE	334,500	0	0
CVR ENERGY INC	COM	12662P108	2,069	71,400	SH	SOLE	71,400	0	0
CVS HEALTH CORP	COM	126650100	541,989	5,683,010	SH	SOLE	5,683,010	0	0
CYBERARK SOFTWARE LTD	SHS	M2682V108	25,935	172,972	SH	SOLE	172,972	0	0
CYTEK BIOSCIENCES INC	COM	23285D109	2,327	158,100	SH	SOLE	158,100	0	0
CYTOKINETICS INC	COM NEW	23282W605	9,351	193,000	SH	SOLE	193,000	0	0
CYXTERA TECHNOLOGIES INC	COM CL A	23284C102	429	105,200	SH	SOLE	105,200	0	0
D R HORTON INC	COM	23331A109	97,613	1,449,336	SH	SOLE	1,449,336	0	0
DANA INC	COM	235825205	3,495	305,800	SH	SOLE	305,800	0	0
DANAHER CORPORATION	COM	235851102	773,132	2,993,270	SH	SOLE	2,993,270	0	0
DANIMER SCIENTIFIC INC	COM CL A	236272100	628	212,800	SH	SOLE	212,800	0	0
DAQO NEW ENERGY CORP	SPNSRD ADS NEW	23703Q203	8,823	166,212	SH	SOLE	166,212	0	0
DARDEN RESTAURANTS INC	COM	237194105	68,298	540,675	SH	SOLE	540,675	0	0
DARLING INGREDIENTS INC	COM	237266101	25,335	383,000	SH	SOLE	383,000	0	0
DATADOG INC	CL A COM	23804L103	92,588	1,042,894	SH	SOLE	1,042,894	0	0
DAVE & BUSTERS ENTMT INC	COM	238337109	2,863	92,273	SH	SOLE	92,273	0	0
DAVITA INC	COM	23918K108	20,381	246,235	SH	SOLE	246,235	0	0
DECIPHERA PHARMACEUTICALS IN	COM	24344T101	1,743	94,200	SH	SOLE	94,200	0	0
DECKERS OUTDOOR CORP	COM	243537107	19,851	63,500	SH	SOLE	63,500	0	0
DEERE & CO	COM	244199105	420,164	1,258,391	SH	SOLE	1,258,391	0	0
DEFINITIVE HEALTHCARE CORP	CLASS A COM	24477E103	1,249	80,400	SH	SOLE	80,400	0	0
DELEK US HLDGS INC NEW	COM	24665A103	4,098	150,991	SH	SOLE	150,991	0	0
DELL TECHNOLOGIES INC	CL C	24703L202	40,620	1,188,775	SH	SOLE	1,188,775	0	0
DELTA AIR LINES INC DEL	COM NEW	247361702	19,409	691,710	SH	SOLE	691,710	0	0
DELUXE CORP	COM	248019101	1,697	101,900	SH	SOLE	101,900	0	0
DENALI THERAPEUTICS INC	COM	24823R105	6,264	204,100	SH	SOLE	204,100	0	0
DENBURY INC	COM	24790A101	10,299	119,400	SH	SOLE	119,400	0	0
DENISON MINES CORP	COM	248356107	2,294	1,952,400	SH	SOLE	1,952,400	0	0
DENNYS CORP	COM	24869P104	1,377	146,300	SH	SOLE	146,300	0	0
DENTSPLY SIRONA INC	COM	24906P109	26,482	934,114	SH	SOLE	934,114	0	0
DERMTECH INC	COM	24984K105	195	49,200	SH	SOLE	49,200	0	0
DESCARTES SYS GROUP INC	COM	249906108	12,955	202,400	SH	SOLE	202,400	0	0
DESIGNER BRANDS INC	CL A	250565108	2,226	145,400	SH	SOLE	145,400	0	0
DESKTOP METAL INC	COM CL A	25058X105	1,348	520,300	SH	SOLE	520,300	0	0
DEVON ENERGY CORP NEW	COM	25179M103	163,382	2,717,154	SH	SOLE	2,717,154	0	0
DEXCOM INC	COM	252131107	136,997	1,700,976	SH	SOLE	1,700,976	0	0
DIAMOND HILL INVT GROUP INC	COM NEW	25264R207	1,230	7,454	SH	SOLE	7,454	0	0
DIAMONDBACK ENERGY INC	COM	25278X109	88,116	731,499	SH	SOLE	731,499	0	0
DIAMONDROCK HOSPITALITY CO	COM	252784301	3,755	500,000	SH	SOLE	500,000	0	0

DICE THERAPEUTICS INC	COM	23345J104	456	22,500	SH	SOLE	22,500	0	0
DICKS SPORTING GOODS INC	COM	253393I02	14,116	134,900	SH	SOLE	134,900	0	0
DIEBOLD NIXDORF INC	COM STK	253651I03	405	166,159	SH	SOLE	166,159	0	0
DIGI INTL INC	COM	253798I02	2,876	83,200	SH	SOLE	83,200	0	0
DIGITAL RLTY TR INC	COM	253868I03	122,354	1,233,660	SH	SOLE	1,233,660	0	0
DIGITAL TURBINE INC	COM NEW	25400W102	3,186	221,100	SH	SOLE	221,100	0	0
DIGITALBRIDGE GROUP INC	CL A NEW	25401T603	4,428	353,925	SH	SOLE	353,925	0	0
DIGITALOCEAN HLDGS INC	COM	25402D102	3,939	108,900	SH	SOLE	108,900	0	0
DILLARDS INC	CL A	254067I01	3,682	13,500	SH	SOLE	13,500	0	0
DIME CMNTY BANCSHARES INC	COM	25432X102	2,316	79,102	SH	SOLE	79,102	0	0
DINE BRANDS GLOBAL INC	COM	254423I06	2,396	37,700	SH	SOLE	37,700	0	0
DIODES INC	COM	254543I01	6,965	107,300	SH	SOLE	107,300	0	0
DISH NETWORK CORPORATION	CL A	25470M109	14,755	1,066,879	SH	SOLE	1,066,879	0	0
DISNEY WALT CO	COM	254687I06	744,638	7,893,971	SH	SOLE	7,893,971	0	0
DIVERSEY HLDGS LTD	ORD SHS	G28923I03	928	190,900	SH	SOLE	190,900	0	0
DIVERSIFIED HEALTHCARE TR	COM SH BEN INT	25525P107	560	565,200	SH	SOLE	565,200	0	0
DMC GLOBAL INC	COM	23291C103	738	46,200	SH	SOLE	46,200	0	0
DOCEBO INC	COM	25609L105	1,168	42,900	SH	SOLE	42,900	0	0
DOCGO INC	COM	256086I09	1,892	190,700	SH	SOLE	190,700	0	0
DOCUSIGN INC	COM	256163I06	46,322	866,309	SH	SOLE	866,309	0	0
DOLBY LABORATORIES INC	COM CL A	25659T107	10,014	153,700	SH	SOLE	153,700	0	0
DOLLAR GEN CORP NEW	COM	256677I05	235,938	983,647	SH	SOLE	983,647	0	0
DOLLAR TREE INC	COM	256746I08	132,444	973,140	SH	SOLE	973,140	0	0
DOMA HOLDINGS INC	COMMON STOCK	25703A104	101	229,900	SH	SOLE	229,900	0	0
DOMINION ENERGY INC	COM	25746U109	242,896	3,514,636	SH	SOLE	3,514,636	0	0
DOMINOS PIZZA INC	COM	25754A201	48,465	156,239	SH	SOLE	156,239	0	0
DOMO INC	COM CL B	257554I05	1,299	72,200	SH	SOLE	72,200	0	0
DONALDSON INC	COM	257651I09	14,360	293,000	SH	SOLE	293,000	0	0
DONEGAL GROUP INC	CL A	257701201	491	36,400	SH	SOLE	36,400	0	0
DONNELLEY FINL SOLUTIONS INC	COM	25787G100	2,507	67,800	SH	SOLE	67,800	0	0
DOORDASH INC	CL A	25809K105	41,271	834,600	SH	SOLE	834,600	0	0
DORIAN LPG LTD	SHS USD	Y2106R110	1,031	75,985	SH	SOLE	75,985	0	0
DORMAN PRODS INC	COM	258278I00	5,206	63,400	SH	SOLE	63,400	0	0
DOUBLEVERIFY HLDGS INC	COM	25862V105	2,650	96,900	SH	SOLE	96,900	0	0
DOUGLAS DYNAMICS INC	COM	25960R105	1,524	54,400	SH	SOLE	54,400	0	0
DOUGLAS ELLIMAN INC	COM	25961D105	711	173,386	SH	SOLE	173,386	0	0
DOUGLAS EMMETT INC	COM	25960P109	7,473	416,800	SH	SOLE	416,800	0	0
DOVER CORP	COM	260003I08	72,745	623,995	SH	SOLE	623,995	0	0
DOW INC	COM	260557I03	138,614	3,155,346	SH	SOLE	3,155,346	0	0
DRAFTKINGS INC NEW	COM CL A	26142V105	13,647	901,364	SH	SOLE	901,364	0	0
DREAM FINDERS HOMES INC	COM CL A	26154D100	484	45,700	SH	SOLE	45,700	0	0
DRIL-QUIP INC	COM	262037I04	1,601	82,000	SH	SOLE	82,000	0	0

DRIVEN BRANDS HLDGS INC	COM	26210V102	3,321	118,700	SH	SOLE	118,700	0	0
DROPBOX INC	CL A	26210C104	26,311	1,269,830	SH	SOLE	1,269,830	0	0
DT MIDSTREAM INC	COMMON STOCK	23345M107	11,904	229,400	SH	SOLE	229,400	0	0
DTE ENERGY CO	COM	233331107	96,558	839,270	SH	SOLE	839,270	0	0
DUCK CREEK TECHNOLOGIES INC	SHS	264120106	2,235	188,600	SH	SOLE	188,600	0	0
DUCKHORN PORTFOLIO INC	COM	26414D106	1,369	94,900	SH	SOLE	94,900	0	0
DUCOMMUN INC DEL	COM	264147109	1,063	26,800	SH	SOLE	26,800	0	0
DUKE ENERGY CORP NEW	COM NEW	26441C204	310,371	3,336,600	SH	SOLE	3,336,600	0	0
DULUTH HLDGS INC	COM CL B	26443V101	346	49,200	SH	SOLE	49,200	0	0
DUN & BRADSTREET HLDGS INC	COM	26484T106	5,739	463,200	SH	SOLE	463,200	0	0
DUOLINGO INC	CL A COM	26603R106	3,733	39,200	SH	SOLE	39,200	0	0
DUPONT DE NEMOURS INC	COM	26614N102	111,092	2,204,210	SH	SOLE	2,204,210	0	0
DUTCH BROS INC	CL A	26701L100	1,900	61,000	SH	SOLE	61,000	0	0
DXC TECHNOLOGY CO	COM	23355L106	13,391	547,000	SH	SOLE	547,000	0	0
DXP ENTERPRISES INC	COM NEW	233377407	890	37,600	SH	SOLE	37,600	0	0
DYCOM INDS INC	COM	267475101	6,697	70,100	SH	SOLE	70,100	0	0
DYNATRACE INC	COM NEW	268150109	30,264	869,391	SH	SOLE	869,391	0	0
DYNAVAX TECHNOLOGIES CORP	COM NEW	268158201	2,971	284,578	SH	SOLE	284,578	0	0
DYNE THERAPEUTICS INC	COM	26818M108	772	60,800	SH	SOLE	60,800	0	0
DYNEX CAP INC	COM	26817Q886	1,009	86,633	SH	SOLE	86,633	0	0
E L F BEAUTY INC	COM	26856L103	4,432	117,800	SH	SOLE	117,800	0	0
E2OPEN PARENT HOLDINGS INC	COM CL A	29788T103	2,603	428,800	SH	SOLE	428,800	0	0
EAGLE BANCORP INC MD	COM	268948106	3,408	76,032	SH	SOLE	76,032	0	0
EAGLE BULK SHIPPING INC	COM	Y2187A150	972	22,500	SH	SOLE	22,500	0	0
EAGLE MATLS INC	COM	26969P108	9,711	90,600	SH	SOLE	90,600	0	0
EAGLE PHARMACEUTICALS INC	COM	269796108	740	28,000	SH	SOLE	28,000	0	0
EARTHSTONE ENERGY INC	CL A	27032D304	1,271	103,200	SH	SOLE	103,200	0	0
EAST WEST BANCORP INC	COM	27579R104	22,593	336,500	SH	SOLE	336,500	0	0
EASTERLY GOVT PPTYS INC	COM	27616P103	3,225	204,510	SH	SOLE	204,510	0	0
EASTERN BANKSHARES INC	COM	27627N105	7,658	389,900	SH	SOLE	389,900	0	0
EASTGROUP PPTYS INC	COM	277276101	14,259	98,787	SH	SOLE	98,787	0	0
EASTMAN CHEM CO	COM	277432100	39,675	558,405	SH	SOLE	558,405	0	0
EASTMAN KODAK CO	COM NEW	277461406	595	129,700	SH	SOLE	129,700	0	0
EATON CORP PLC	SHS	G29183103	230,591	1,729,087	SH	SOLE	1,729,087	0	0
EBAY INC.	COM	278642103	89,304	2,426,074	SH	SOLE	2,426,074	0	0
EBIX INC	COM NEW	278715206	1,106	58,300	SH	SOLE	58,300	0	0
ECHOSTAR CORP	CL A	278768106	1,382	83,900	SH	SOLE	83,900	0	0
ECOLAB INC	COM	278865100	160,923	1,114,271	SH	SOLE	1,114,271	0	0
ECOVYST INC	COM	27923Q109	1,249	148,000	SH	SOLE	148,000	0	0
EDGEWELL PERS CARE CO	COM	28035Q102	4,447	118,900	SH	SOLE	118,900	0	0

EDGIO INC	COM	53261M104	911	327,700	SH	SOLE	327,700	0	0
EDISON INTL	COM	281020107	93,470	1,651,991	SH	SOLE	1,651,991	0	0
EDITAS MEDICINE INC	COM	28106W103	1,979	161,700	SH	SOLE	161,700	0	0
EDWARDS LIFESCIENCES CORP	COM	28176E108	222,640	2,694,425	SH	SOLE	2,694,425	0	0
EL POLLO LOCO HLDGS INC	COM	268603107	424	47,550	SH	SOLE	47,550	0	0
ELANCO ANIMAL HEALTH INC	COM	28414H103	22,845	1,840,817	SH	SOLE	1,840,817	0	0
ELASTIC N V	ORD SHS	N14506104	12,720	177,300	SH	SOLE	177,300	0	0
ELDORADO GOLD CORP NEW	COM	284902509	2,689	441,220	SH	SOLE	441,220	0	0
ELECTRONIC ARTS INC	COM	285512109	140,341	1,212,865	SH	SOLE	1,212,865	0	0
ELEMENT SOLUTIONS INC	COM	28618M106	9,078	557,989	SH	SOLE	557,989	0	0
ELEVANCE HEALTH INC	COM	036752103	474,604	1,044,832	SH	SOLE	1,044,832	0	0
ELLINGTON FINANCIAL INC	COM	28852N109	1,538	135,300	SH	SOLE	135,300	0	0
EMBARK TECHNOLOGY INC	COM NEW	29079J202	143	19,230	SH	SOLE	19,230	0	0
EMBECTA CORP	COMMON STOCK	29082K105	3,945	137,020	SH	SOLE	137,020	0	0
EMCOR GROUP INC	COM	29084Q100	14,008	121,300	SH	SOLE	121,300	0	0
EMERGENT BIOSOLUTIONS INC	COM	29089Q105	2,250	107,200	SH	SOLE	107,200	0	0
EMERSON ELEC CO	COM	291011104	188,416	2,573,286	SH	SOLE	2,573,286	0	0
EMPIRE ST RLTY TR INC	CL A	292104106	2,202	335,700	SH	SOLE	335,700	0	0
EMPLOYERS HLDGS INC	COM	292218104	2,269	65,800	SH	SOLE	65,800	0	0
ENACT HLDGS INC	COM	29249E109	1,700	76,700	SH	SOLE	76,700	0	0
ENANTA PHARMACEUTICALS INC	COM	29251M106	2,422	46,700	SH	SOLE	46,700	0	0
ENBRIDGE INC	COM	29250N105	340,699	9,114,785	SH	SOLE	9,114,785	0	0
ENCOMPASS HEALTH CORP	COM	29261A100	10,706	236,700	SH	SOLE	236,700	0	0
ENCORE CAP GROUP INC	COM	292554102	2,629	57,800	SH	SOLE	57,800	0	0
ENCORE WIRE CORP	COM	292562105	5,400	46,733	SH	SOLE	46,733	0	0
ENDEAVOR GROUP HLDGS INC	CL A COM	29260Y109	4,093	202,000	SH	SOLE	202,000	0	0
ENDEAVOUR SILVER CORP	COM	29258Y103	1,310	431,400	SH	SOLE	431,400	0	0
ENERGIZER HLDGS INC NEW	COM	29272W109	4,036	160,525	SH	SOLE	160,525	0	0
ENERGY FUELS INC	COM NEW	292671708	2,316	376,400	SH	SOLE	376,400	0	0
ENERGY RECOVERY INC	COM	29270J100	2,620	120,500	SH	SOLE	120,500	0	0
ENERGY VAULT HOLDINGS INC	COM	29280W109	665	126,000	SH	SOLE	126,000	0	0
ENERPAC TOOL GROUP CORP	CL A COM	292765104	2,560	143,600	SH	SOLE	143,600	0	0
ENERPLUS CORP	COM	292766102	8,201	574,555	SH	SOLE	574,555	0	0
ENERSYS	COM	29275Y102	5,608	96,400	SH	SOLE	96,400	0	0
ENFUSION INC	CL A	292812104	478	38,700	SH	SOLE	38,700	0	0
ENHABIT INC	COM	29332G102	1,645	117,150	SH	SOLE	117,150	0	0
ENLINK MIDSTREAM LLC	COM UNIT REP LTD	29336T100	5,600	629,923	SH	SOLE	629,923	0	0
ENNIS INC	COM	293389102	1,244	61,800	SH	SOLE	61,800	0	0
ENOVA INTL INC	COM	29357K103	2,260	77,200	SH	SOLE	77,200	0	0
ENOVIS CORPORATION	COM	194014502	5,312	115,300	SH	SOLE	115,300	0	0

ENOVIX CORPORATION	COM	293594107	3,060	166,900	SH	SOLE	166,900	0	0
ENPHASE ENERGY INC	COM	29355A107	162,380	585,215	SH	SOLE	585,215	0	0
ENPRO INDS INC	COM	29355X107	3,986	46,900	SH	SOLE	46,900	0	0
ENSIGN GROUP INC	COM	29358P101	9,938	125,000	SH	SOLE	125,000	0	0
ENSTAR GROUP LIMITED	SHS	G3075P101	4,630	27,300	SH	SOLE	27,300	0	0
ENTEGRIS INC	COM	29362U104	53,524	644,707	SH	SOLE	644,707	0	0
ENTERGY CORP NEW	COM	29364G103	88,683	881,273	SH	SOLE	881,273	0	0
ENTERPRISE FINL SVCS CORP	COM	293712105	3,693	83,864	SH	SOLE	83,864	0	0
ENTHUSIAST GAMING HLDGS INC	COM	29385B109	223	258,900	SH	SOLE	258,900	0	0
ENVESTNET INC	COM	29404K106	4,937	111,200	SH	SOLE	111,200	0	0
ENVISTA HOLDINGS CORPORATION	COM	29415F104	12,652	385,600	SH	SOLE	385,600	0	0
ENVIVA INC	COM	29415B103	4,739	78,900	SH	SOLE	78,900	0	0
EOG RES INC	COM	26875P101	283,599	2,538,256	SH	SOLE	2,538,256	0	0
EPAM SYS INC	COM	29414B104	89,702	247,665	SH	SOLE	247,665	0	0
EPLUS INC	COM	294268107	2,632	63,356	SH	SOLE	63,356	0	0
EPR PPTYS	COM SH BEN INT	26884U109	6,375	177,788	SH	SOLE	177,788	0	0
EQRX INC	COM	26886C107	1,705	344,500	SH	SOLE	344,500	0	0
EQT CORP	COM	26884L109	58,731	1,441,259	SH	SOLE	1,441,259	0	0
EQUIFAX INC	COM	294429105	90,888	530,175	SH	SOLE	530,175	0	0
EQUINIX INC	COM	29444U700	224,384	394,459	SH	SOLE	394,459	0	0
EQUINOX GOLD CORP	COM	29446Y502	2,509	686,190	SH	SOLE	686,190	0	0
EQUITRANS MIDSTREAM CORP	COM	294600101	7,292	974,887	SH	SOLE	974,887	0	0
EQUITY COMWLTH	COM SH BEN INT	294628102	6,509	267,200	SH	SOLE	267,200	0	0
EQUITY LIFESTYLE PPTYS INC	COM	29472R108	48,058	764,769	SH	SOLE	764,769	0	0
EQUITY RESIDENTIAL	SH BEN INT	29476L107	103,995	1,547,078	SH	SOLE	1,547,078	0	0
ERASCA INC	COM	29479A108	558	71,600	SH	SOLE	71,600	0	0
ERIE INDTY CO	CL A	29530P102	24,398	109,746	SH	SOLE	109,746	0	0
ERO COPPER CORP	COM	296006109	2,043	183,300	SH	SOLE	183,300	0	0
ESAB CORPORATION	COM	29605J106	3,800	113,900	SH	SOLE	113,900	0	0
ESCO TECHNOLOGIES INC	COM	296315104	4,495	61,200	SH	SOLE	61,200	0	0
ESS TECH INC	COMMON STOCK	26916J106	515	125,800	SH	SOLE	125,800	0	0
ESSENT GROUP LTD	COM	G3198U102	8,899	255,191	SH	SOLE	255,191	0	0
ESSENTIAL PPTYS RLTY TR INC	COM	29670E107	6,049	311,000	SH	SOLE	311,000	0	0
ESSENTIAL UTILS INC	COM	29670G102	44,644	1,078,886	SH	SOLE	1,078,886	0	0
ESSEX PPTY TR INC	COM	297178105	68,503	282,802	SH	SOLE	282,802	0	0
ESTABLISHMENT LABS HLDGS INC	COM	G31249108	2,507	45,900	SH	SOLE	45,900	0	0
ETHAN ALLEN INTERIORS INC	COM	297602104	1,133	53,600	SH	SOLE	53,600	0	0
ETSY INC	COM	29786A106	55,105	550,339	SH	SOLE	550,339	0	0
EURONAV NV	SHS	B38564108	6,539	417,395	SH	SOLE	417,395	0	0
EURONET WORLDWIDE INC	COM	298736109	9,084	119,900	SH	SOLE	119,900	0	0
EUROPEAN WAX CTR INC	CLASS A COM	29882P106	1,122	60,800	SH	SOLE	60,800	0	0
EVENTBRITE INC	COM CL A	29975E109	1,153	189,600	SH	SOLE	189,600	0	0

EVERBRIDGE INC	COM	29978A104	2,897	93,800	SH	SOLE	93,800	0	0
EVERCOMMERCE INC	COM	29977X105	754	69,000	SH	SOLE	69,000	0	0
EVERCORE INC	CLASS A	29977A105	7,921	96,300	SH	SOLE	96,300	0	0
EVEREST RE GROUP LTD	COM	G3223R108	44,873	170,982	SH	SOLE	170,982	0	0
EVERGY INC	COM	30034W106	59,075	994,530	SH	SOLE	994,530	0	0
EVERI HLDGS INC	COM	30034T103	3,546	218,600	SH	SOLE	218,600	0	0
EVERQUOTE INC	COM CL A	30041R108	306	44,800	SH	SOLE	44,800	0	0
EVERSOURCE ENERGY	COM	30040W108	116,517	1,494,578	SH	SOLE	1,494,578	0	0
EVERTEC INC	COM	30040P103	4,536	144,674	SH	SOLE	144,674	0	0
EVGO INC	CL A COM	30052F100	1,229	155,400	SH	SOLE	155,400	0	0
EVO PMTS INC	CL A COM	26927E104	3,776	113,400	SH	SOLE	113,400	0	0
EVOLENT HEALTH INC	CL A	30050B101	6,633	184,600	SH	SOLE	184,600	0	0
EVOLUS INC	COM	30052C107	687	85,300	SH	SOLE	85,300	0	0
EVOLV TECHNOLOGIES HLDNGS IN	COM CL A	30049H102	321	151,500	SH	SOLE	151,500	0	0
EVOQUA WATER TECHNOLOGIES CO	COM	30057T105	9,511	287,600	SH	SOLE	287,600	0	0
EXACT SCIENCES CORP	COM	30063P105	24,771	762,417	SH	SOLE	762,417	0	0
EXELIXIS INC	COM	30161Q104	11,926	760,600	SH	SOLE	760,600	0	0
EXELON CORP	COM	30161N101	159,124	4,247,848	SH	SOLE	4,247,848	0	0
EXLSERVICE HOLDINGS INC	COM	302081104	11,637	78,968	SH	SOLE	78,968	0	0
EXP WORLD HLDGS INC	COM	30212W100	1,799	160,500	SH	SOLE	160,500	0	0
EXPEDIA GROUP INC	COM NEW	30212P303	61,537	656,811	SH	SOLE	656,811	0	0
EXPEDITORS INTL WASH INC	COM	302130109	64,209	727,089	SH	SOLE	727,089	0	0
EXPENSIFY INC	COM CL A	30219Q106	478	32,100	SH	SOLE	32,100	0	0
EXPONENT INC	COM	30214U102	10,766	122,800	SH	SOLE	122,800	0	0
EXPRO GROUP HOLDINGS NV	COM	N3144W105	2,152	168,900	SH	SOLE	168,900	0	0
EXTRA SPACE STORAGE INC	COM	30225T102	100,497	581,884	SH	SOLE	581,884	0	0
EXTREME NETWORKS INC	COM	30226D106	4,056	310,300	SH	SOLE	310,300	0	0
EXXON MOBIL CORP	COM	30231G102	1,593,948	18,256,191	SH	SOLE	18,256,191	0	0
F N B CORP	COM	302520101	9,668	833,415	SH	SOLE	833,415	0	0
F45 TRAINING HLDGS INC	COM	30322L101	241	78,100	SH	SOLE	78,100	0	0
F5 INC	COM	315616102	37,935	262,107	SH	SOLE	262,107	0	0
FABRINET	SHS	G3323L100	8,327	87,240	SH	SOLE	87,240	0	0
FAIR ISAAC CORP	COM	303250104	46,335	112,462	SH	SOLE	112,462	0	0
FARADAY FUTRE INTLGT ELCTR I	COM	307359109	162	254,300	SH	SOLE	254,300	0	0
FARMLAND PARTNERS INC	COM	31154R109	1,429	112,800	SH	SOLE	112,800	0	0
FARO TECHNOLOGIES INC	COM	311642102	1,183	43,100	SH	SOLE	43,100	0	0
FASTENAL CO	COM	311900104	114,787	2,493,207	SH	SOLE	2,493,207	0	0
FASTLY INC	CL A	31188V100	2,363	258,000	SH	SOLE	258,000	0	0
FATE THERAPEUTICS INC	COM	31189P102	4,108	183,300	SH	SOLE	183,300	0	0
FB FINL CORP	COM	30257X104	3,423	89,583	SH	SOLE	89,583	0	0
FEDERAL AGRIC MTG CORP	CL C	313148306	2,169	21,881	SH	SOLE	21,881	0	0
FEDERAL RLTY INVT TR NEW	SH BEN INT NEW	313745101	15,275	169,500	SH	SOLE	169,500	0	0

FEDERAL SIGNAL CORP	COM	313855108	5,363	143,700	SH	SOLE	143,700	0	0
FEDERATED HERMES INC	CL B	314211103	6,840	206,517	SH	SOLE	206,517	0	0
FEDEX CORP	COM	31428X106	158,412	1,066,965	SH	SOLE	1,066,965	0	0
FERGUSON PLC NEW	SHS	G3421J106	100,225	957,914	SH	SOLE	957,914	0	0
FERRARI N V	COM	N3167Y103	102,617	547,735	SH	SOLE	547,735	0	0
FIBROGEN INC	COM	31572Q808	2,735	210,200	SH	SOLE	210,200	0	0
FIDELITY NATIONAL FINANCIAL	FNF GROUP COM	31620R303	41,855	1,156,215	SH	SOLE	1,156,215	0	0
FIDELITY NATL INFORMATION SV	COM	31620M106	200,024	2,646,869	SH	SOLE	2,646,869	0	0
FIGS INC	CL A	30260D103	1,396	169,200	SH	SOLE	169,200	0	0
FIRST ADVANTAGE CORP NEW	COM	31846B108	1,623	126,500	SH	SOLE	126,500	0	0
FIRST AMERN FINL CORP	COM	31847R102	11,742	254,700	SH	SOLE	254,700	0	0
FIRST BANCORP N C	COM	318910106	3,080	84,200	SH	SOLE	84,200	0	0
FIRST BANCORP P R	COM NEW	318672706	6,408	468,400	SH	SOLE	468,400	0	0
FIRST BANCSHARES INC MS	COM	318916103	1,453	48,630	SH	SOLE	48,630	0	0
FIRST BUSEY CORP	COM NEW	319383204	2,736	124,499	SH	SOLE	124,499	0	0
FIRST CMNTY BANKSHARES INC V	COM	31983A103	1,143	35,679	SH	SOLE	35,679	0	0
FIRST COMWLTH FINL CORP PA	COM	319829107	2,872	223,700	SH	SOLE	223,700	0	0
FIRST FINL BANCORP OH	COM	320209109	4,721	223,943	SH	SOLE	223,943	0	0
FIRST FINL BANKSHARES INC	COM	32020R109	13,448	321,500	SH	SOLE	321,500	0	0
FIRST FINL CORP IND	COM	320218100	1,280	28,326	SH	SOLE	28,326	0	0
FIRST FNDTN INC	COM	32026V104	2,188	120,600	SH	SOLE	120,600	0	0
FIRST HAWAIIAN INC	COM	32051X108	7,479	303,667	SH	SOLE	303,667	0	0
FIRST HORIZON CORPORATION	COM	320517105	29,045	1,268,349	SH	SOLE	1,268,349	0	0
FIRST INDL RLTY TR INC	COM	32054K103	14,026	313,000	SH	SOLE	313,000	0	0
FIRST INTST BANCSYSTEM INC	COM CL A	32055Y201	8,903	220,646	SH	SOLE	220,646	0	0
FIRST LONG IS CORP	COM	320734106	944	54,750	SH	SOLE	54,750	0	0
FIRST MAJESTIC SILVER CORP	COM	32076V103	4,334	562,400	SH	SOLE	562,400	0	0
FIRST MERCHANTS CORP	COM	320817109	5,452	140,962	SH	SOLE	140,962	0	0
FIRST MID ILL BANCSHARES INC	COM	320866106	1,384	43,300	SH	SOLE	43,300	0	0
FIRST SOLAR INC	COM	336433107	30,091	227,500	SH	SOLE	227,500	0	0
FIRSTCASH HOLDINGS INC	COM	33768G107	7,020	95,712	SH	SOLE	95,712	0	0
FIRSTENERGY CORP	COM	337932107	86,854	2,347,405	SH	SOLE	2,347,405	0	0
FIRSTSERVICE CORP NEW	COM	33767E202	21,431	178,600	SH	SOLE	178,600	0	0
FISERV INC	COM	337738108	249,012	2,661,235	SH	SOLE	2,661,235	0	0
FISKER INC	CL A COM STK	33813J106	2,951	390,900	SH	SOLE	390,900	0	0
FIVE BELOW INC	COM	33829M101	18,125	131,659	SH	SOLE	131,659	0	0
FIVE POINT HOLDINGS LLC	COM CL A	33833Q106	366	140,900	SH	SOLE	140,900	0	0
FIVE9 INC	COM	338307101	12,364	164,900	SH	SOLE	164,900	0	0
FIVERR INTL LTD	ORD SHS	M4R82T106	2,276	74,405	SH	SOLE	74,405	0	0

FLAGSTAR BANCORP INC	COM PAR .001	337930705	4,218	126,300	SH	SOLE	126,300	0	0
FLEETCOR TECHNOLOGIES INC	COM	339041105	56,096	318,419	SH	SOLE	318,419	0	0
FLEX LNG LTD	SHS	G35947202	2,284	71,429	SH	SOLE	71,429	0	0
FLEX LTD	ORD	Y2573F102	18,079	1,085,200	SH	SOLE	1,085,200	0	0
FLOOR & DECOR HLDGS INC	CL A	339750101	17,635	251,000	SH	SOLE	251,000	0	0
FLOWERS FOODS INC	COM	343498101	11,793	477,663	SH	SOLE	477,663	0	0
FLOWERVE CORP	COM	34354P105	7,528	309,800	SH	SOLE	309,800	0	0
FLUOR CORP NEW	COM	343412102	8,380	336,700	SH	SOLE	336,700	0	0
FLUSHING FINL CORP	COM	343873105	1,323	68,323	SH	SOLE	68,323	0	0
FLYWIRE CORPORATION	COM VTG	302492103	1,639	71,400	SH	SOLE	71,400	0	0
FMC CORP	COM NEW	302491303	57,574	544,690	SH	SOLE	544,690	0	0
FOCUS FINL PARTNERS INC	COM CL A	34417P100	4,396	139,500	SH	SOLE	139,500	0	0
FOOT LOCKER INC	COM	344849104	6,385	205,100	SH	SOLE	205,100	0	0
FORD MTR CO DEL	COM	345370860	191,674	17,113,715	SH	SOLE	17,113,715	0	0
FORESTAR GROUP INC	COM	346232101	524	46,817	SH	SOLE	46,817	0	0
FORMA THERAPEUTICS HLDGS INC	SHS	34633R104	1,562	78,300	SH	SOLE	78,300	0	0
FORMFACTOR INC	COM	346375108	4,632	184,900	SH	SOLE	184,900	0	0
FORRESTER RESH INC	COM	346563109	967	26,850	SH	SOLE	26,850	0	0
FORTINET INC	COM	34959E109	145,256	2,956,565	SH	SOLE	2,956,565	0	0
FORTIS INC	COM	349553107	82,145	2,144,882	SH	SOLE	2,144,882	0	0
FORTIVE CORP	COM	34959J108	86,032	1,475,684	SH	SOLE	1,475,684	0	0
FORTUNA SILVER MINES INC	COM	349915108	1,761	697,230	SH	SOLE	697,230	0	0
FORTUNE BRANDS HOME & SEC IN	COM	34964C106	30,432	566,811	SH	SOLE	566,811	0	0
FORWARD AIR CORP	COM	349853101	5,750	63,700	SH	SOLE	63,700	0	0
FOUR CORNERS PPTY TR INC	COM	35086T109	4,611	190,607	SH	SOLE	190,607	0	0
FOX CORP	CL A COM	35137L105	41,465	1,351,545	SH	SOLE	1,351,545	0	0
FOX CORP	CL B COM	35137L204	18,176	637,771	SH	SOLE	637,771	0	0
FOX FACTORY HLDG CORP	COM	35138V102	7,900	99,900	SH	SOLE	99,900	0	0
FRANCHISE GROUP INC	COM	35180X105	1,628	67,000	SH	SOLE	67,000	0	0
FRANCO NEV CORP	COM	351858105	103,632	860,652	SH	SOLE	860,652	0	0
FRANKLIN BSP RLTY TR INC	COMMON STOCK	35243J101	2,137	198,433	SH	SOLE	198,433	0	0
FRANKLIN COVEY CO	COM	353469109	1,380	30,400	SH	SOLE	30,400	0	0
FRANKLIN ELEC INC	COM	353514102	7,624	93,300	SH	SOLE	93,300	0	0
FRANKLIN STR PPTYS CORP	COM	35471R106	644	244,963	SH	SOLE	244,963	0	0
FREEDOM HLDG CORP NEV	COM	356390104	2,077	42,300	SH	SOLE	42,300	0	0
FRESH DEL MONTE PRODUCE INC	ORD	G36738105	2,108	90,700	SH	SOLE	90,700	0	0
FRESHPET INC	COM	358039105	5,678	113,350	SH	SOLE	113,350	0	0
FRESHWORKS INC	CLASS A COM	358054104	2,938	226,500	SH	SOLE	226,500	0	0
FREYR BATTERY	SHS	L4135L100	2,763	194,000	SH	SOLE	194,000	0	0
FRONTDOOR INC	COM	35905A109	3,978	195,103	SH	SOLE	195,103	0	0
FRONTIER COMMUNICATIONS PARE	COM	35909D109	10,888	464,700	SH	SOLE	464,700	0	0

FRONTIER GROUP HLDGS INC	COM	35909R108	990	102,100	SH	SOLE	102,100	0	0
FRONTLINE LTD	SHS NEW	G3682E192	3,253	292,150	SH	SOLE	292,150	0	0
FRP HLDGS INC	COM	30292L107	788	14,500	SH	SOLE	14,500	0	0
FTI CONSULTING INC	COM	302941109	13,539	81,700	SH	SOLE	81,700	0	0
FUBOTV INC	COM	35953D104	1,480	416,900	SH	SOLE	416,900	0	0
FUELCELL ENERGY INC	COM	35952H601	2,956	866,900	SH	SOLE	866,900	0	0
FULCRUM THERAPEUTICS INC	COM	359616109	725	89,600	SH	SOLE	89,600	0	0
FULGENT GENETICS INC	COM	359664109	1,780	46,700	SH	SOLE	46,700	0	0
FULLER H B CO	COM	359694106	7,561	125,800	SH	SOLE	125,800	0	0
FULTON FINL CORP PA	COM	360271100	6,257	396,000	SH	SOLE	396,000	0	0
FUNKO INC	COM CL A	361008105	1,482	73,300	SH	SOLE	73,300	0	0
FUTUREFUEL CORP	COM	36116M106	375	62,109	SH	SOLE	62,109	0	0
G III APPAREL GROUP LTD	COM	36237H101	1,544	103,300	SH	SOLE	103,300	0	0
GALLAGHER ARTHUR J & CO	COM	363576109	155,862	910,305	SH	SOLE	910,305	0	0
GAMESTOP CORP NEW	CL A	36467W109	15,466	615,428	SH	SOLE	615,428	0	0
GAMING & LEISURE PPTYS INC	COM	36467J108	49,091	1,109,645	SH	SOLE	1,109,645	0	0
GANNETT CO INC	COM	36472T109	505	330,200	SH	SOLE	330,200	0	0
GAP INC	COM	364760108	3,933	479,100	SH	SOLE	479,100	0	0
GARMIN LTD	SHS	H2906T109	53,627	667,750	SH	SOLE	667,750	0	0
GARTNER INC	COM	366651107	96,566	349,006	SH	SOLE	349,006	0	0
GATES INDL CORP PLC	ORD SHS	G39108108	2,345	240,300	SH	SOLE	240,300	0	0
GATX CORP	COM	361448103	7,187	84,400	SH	SOLE	84,400	0	0
GENCO SHIPPING & TRADING LTD	SHS	Y2685T131	1,114	88,900	SH	SOLE	88,900	0	0
GENERAC HLDGS INC	COM	368736104	49,237	276,395	SH	SOLE	276,395	0	0
GENERAL DYNAMICS CORP	COM	369550108	216,934	1,022,454	SH	SOLE	1,022,454	0	0
GENERAL ELECTRIC CO	COM NEW	369604301	295,306	4,769,925	SH	SOLE	4,769,925	0	0
GENERAL MLS INC	COM	370334104	199,939	2,609,827	SH	SOLE	2,609,827	0	0
GENERAL MTRS CO	COM	37045V100	192,625	6,002,663	SH	SOLE	6,002,663	0	0
GENERATION BIO CO	COM	37148K100	535	100,700	SH	SOLE	100,700	0	0
GENESCO INC	COM	371532102	1,215	30,900	SH	SOLE	30,900	0	0
GENTEX CORP	COM	371901109	13,255	556,000	SH	SOLE	556,000	0	0
GENTHERM INC	COM	37253A103	3,909	78,600	SH	SOLE	78,600	0	0
GENUINE PARTS CO	COM	372460105	91,596	613,423	SH	SOLE	613,423	0	0
GENWORTH FINL INC	COM CL A	37247D106	4,237	1,210,586	SH	SOLE	1,210,586	0	0
GEO GROUP INC NEW	COM	36162J106	2,266	294,300	SH	SOLE	294,300	0	0
GERMAN AMERN BANCORP INC	COM	373865104	2,373	66,450	SH	SOLE	66,450	0	0
GERON CORP	COM	374163103	1,869	798,700	SH	SOLE	798,700	0	0
GETTY RLTY CORP NEW	COM	374297109	2,533	94,209	SH	SOLE	94,209	0	0
GEVO INC	COM PAR	374396406	1,268	556,100	SH	SOLE	556,100	0	0
GFL ENVIRONMENTAL INC	SUB VTG SHS	36168Q104	20,814	817,000	SH	SOLE	817,000	0	0
GIBRALTAR INDS INC	COM	374689107	3,184	77,800	SH	SOLE	77,800	0	0
GILAT SATELLITE NETWORKS LTD	SHS NEW	M51474118	527	100,665	SH	SOLE	100,665	0	0
GILDAN ACTIVEWEAR INC	COM	375916103	23,969	841,100	SH	SOLE	841,100	0	0

GILEAD SCIENCES INC	COM	375558103	335,341	5,435,898	SH	SOLE	5,435,898	0	0
GINKGO BIOWORKS HOLDINGS INC	CL A SHS	37611X100	4,450	1,426,200	SH	SOLE	1,426,200	0	0
GITLAB INC	CLASS A COM	37637K108	4,871	95,100	SH	SOLE	95,100	0	0
GLACIER BANCORP INC NEW	COM	37637Q105	12,903	262,621	SH	SOLE	262,621	0	0
GLADSTONE COMMERCIAL CORP	COM	376536108	1,420	91,600	SH	SOLE	91,600	0	0
GLADSTONE LD CORP	COM	376549101	1,392	76,900	SH	SOLE	76,900	0	0
GLATFELTER CORPORATION	COM	377320106	327	105,200	SH	SOLE	105,200	0	0
GLAUKOS CORP	COM	377322102	5,974	112,200	SH	SOLE	112,200	0	0
GLOBAL BLOOD THERAPEUTICS IN	COM	37890U108	9,983	146,600	SH	SOLE	146,600	0	0
GLOBAL INDUSTRIAL COMPANY	COM	37892E102	1,076	40,100	SH	SOLE	40,100	0	0
GLOBAL MED REIT INC	COM NEW	37954A204	1,258	147,600	SH	SOLE	147,600	0	0
GLOBAL NET LEASE INC	COM NEW	379378201	2,610	245,067	SH	SOLE	245,067	0	0
GLOBAL PMTS INC	COM	37940X102	131,843	1,220,208	SH	SOLE	1,220,208	0	0
GLOBALSTAR INC	COM	378973408	2,715	1,707,354	SH	SOLE	1,707,354	0	0
GLOBE LIFE INC	COM	37959E102	40,475	405,972	SH	SOLE	405,972	0	0
GLOBUS MED INC	CL A	379577208	11,199	188,000	SH	SOLE	188,000	0	0
GMS INC	COM	36251C103	3,677	91,900	SH	SOLE	91,900	0	0
GODADDY INC	CL A	380237107	49,687	701,007	SH	SOLE	701,007	0	0
GOGO INC	COM	38046C109	1,448	119,500	SH	SOLE	119,500	0	0
GOLDEN ENTMT INC	COM	381013101	1,560	44,700	SH	SOLE	44,700	0	0
GOLDEN OCEAN GROUP LTD	SHS NEW	G39637205	2,347	311,682	SH	SOLE	311,682	0	0
GOODRX HLDGS INC	COM CL A	38246G108	778	166,700	SH	SOLE	166,700	0	0
GOODYEAR TIRE & RUBR CO	COM	382550101	6,759	669,858	SH	SOLE	669,858	0	0
GOOSEHEAD INS INC	COM CL A	38267D109	1,639	46,000	SH	SOLE	46,000	0	0
GOPRO INC	CL A	38268T103	1,532	310,700	SH	SOLE	310,700	0	0
GORMAN RUPP CO	COM	383082104	1,176	49,447	SH	SOLE	49,447	0	0
GOSSAMER BIO INC	COM	38341P102	1,465	122,300	SH	SOLE	122,300	0	0
GRAB HOLDINGS LIMITED	CLASS A ORD	G4124C109	14,407	5,478,000	SH	SOLE	5,478,000	0	0
GRACO INC	COM	384109104	24,064	401,400	SH	SOLE	401,400	0	0
GRAFTECH INTL LTD	COM	384313508	2,138	496,100	SH	SOLE	496,100	0	0
GRAHAM HLDGS CO	COM CL B	384637104	5,003	9,300	SH	SOLE	9,300	0	0
GRAINGER W W INC	COM	384802104	97,485	199,278	SH	SOLE	199,278	0	0
GRAN TIERRA ENERGY INC	COM	38500T101	1,048	866,100	SH	SOLE	866,100	0	0
GRAND CANYON ED INC	COM	38526M106	6,300	76,600	SH	SOLE	76,600	0	0
GRANITE CONSTR INC	COM	387328107	2,732	107,600	SH	SOLE	107,600	0	0
GRANITE PT MTG TR INC	COM STK	38741L107	819	127,177	SH	SOLE	127,177	0	0
GRANITE REAL ESTATE INVT TR	UNIT 99/99/9999	387437114	3,737	76,800	SH	SOLE	76,800	0	0
GRAPHIC PACKAGING HLDG CO	COM	388689101	14,432	731,100	SH	SOLE	731,100	0	0
GRAY TELEVISION INC	COM	389375106	2,694	188,100	SH	SOLE	188,100	0	0
GREAT LAKES DREDGE & DOCK CO	COM	390607109	1,178	155,400	SH	SOLE	155,400	0	0
GREAT SOUTHN BANCORP INC	COM	390905107	1,370	24,000	SH	SOLE	24,000	0	0

GREEN BRICK PARTNERS INC	COM	392709101	1,595	74,600	SH	SOLE	74,600	0	0
GREEN DOT CORP	CL A	39304D102	2,207	116,300	SH	SOLE	116,300	0	0
GREEN PLAINS INC	COM	393222104	3,709	127,600	SH	SOLE	127,600	0	0
GREENBRIER COS INC	COM	393657101	1,869	77,000	SH	SOLE	77,000	0	0
GREENLIGHT BIOSCIENCS HLDS P	COMMON STOCK	39536G105	269	115,825	SH	SOLE	115,825	0	0
GREIF INC	CL A	397624107	3,759	63,100	SH	SOLE	63,100	0	0
GREIF INC	CL B	397624206	790	13,000	SH	SOLE	13,000	0	0
GRID DYNAMICS HLDGS INC	CL A	39813G109	1,937	103,400	SH	SOLE	103,400	0	0
GRIFFON CORP	COM	398433102	2,993	101,400	SH	SOLE	101,400	0	0
GROCERY OUTLET HLDG CORP	COM	39874R101	7,227	217,100	SH	SOLE	217,100	0	0
GROUP 1 AUTOMOTIVE INC	COM	398905109	5,343	37,400	SH	SOLE	37,400	0	0
GROUPON INC	COM NEW	399473206	415	52,178	SH	SOLE	52,178	0	0
GROWGENERATION CORP	COM	39986L109	450	128,700	SH	SOLE	128,700	0	0
GUARDANT HEALTH INC	COM	40131M109	11,708	217,500	SH	SOLE	217,500	0	0
GUESS INC	COM	401617105	1,247	85,000	SH	SOLE	85,000	0	0
GUIDEWIRE SOFTWARE INC	COM	40171V100	21,062	342,033	SH	SOLE	342,033	0	0
GULFPORT ENERGY CORP	COMMON SHARES	402635502	2,631	29,800	SH	SOLE	29,800	0	0
GXO LOGISTICS INCORPORATED	COMMON STOCK	36262G101	8,874	253,113	SH	SOLE	253,113	0	0
H & E EQUIPMENT SERVICES INC	COM	404030108	2,182	77,000	SH	SOLE	77,000	0	0
H WORLD GROUP LTD	SPONSORED ADS	44332N106	17,157	511,547	SH	SOLE	511,547	0	0
HACKETT GROUP INC	COM	404609109	1,065	60,092	SH	SOLE	60,092	0	0
HAEMONETICS CORP MASS	COM	405024100	9,002	121,600	SH	SOLE	121,600	0	0
HAGERTY INC	CL A COM	405166109	523	58,200	SH	SOLE	58,200	0	0
HAIN CELESTIAL GROUP INC	COM	405217100	3,594	212,914	SH	SOLE	212,914	0	0
HALLIBURTON CO	COM	406216101	96,238	3,908,939	SH	SOLE	3,908,939	0	0
HALOZYME THERAPEUTICS INC	COM	40637H109	12,934	327,100	SH	SOLE	327,100	0	0
HAMILTON LANE INC	CL A	407497106	5,007	84,000	SH	SOLE	84,000	0	0
HANCOCK WHITNEY CORPORATION	COM	410120109	9,382	204,800	SH	SOLE	204,800	0	0
HANESBRANDS INC	COM	410345102	5,747	825,700	SH	SOLE	825,700	0	0
HANGER INC	COM NEW	41043F208	1,732	92,500	SH	SOLE	92,500	0	0
HANMI FINL CORP	COM NEW	410495204	1,700	71,800	SH	SOLE	71,800	0	0
HANNON ARMSTRONG SUST INFR C	COM	41068X100	6,170	206,134	SH	SOLE	206,134	0	0
HANOVER INS GROUP INC	COM	410867105	10,815	84,400	SH	SOLE	84,400	0	0
HARBORONE BANCORP INC NEW	COM NEW	41165Y100	1,468	109,384	SH	SOLE	109,384	0	0
HARLEY DAVIDSON INC	COM	412822108	11,580	332,000	SH	SOLE	332,000	0	0
HARMONIC INC	COM	413160102	3,239	247,815	SH	SOLE	247,815	0	0
HARMONY BIOSCIENCES HLDGS IN	COM	413197104	2,480	56,000	SH	SOLE	56,000	0	0
HARSCO CORP	COM	415864107	701	187,300	SH	SOLE	187,300	0	0
HARTFORD FINL SVCS GROUP INC	COM	416515104	88,298	1,425,547	SH	SOLE	1,425,547	0	0

HASBRO INC	COM	418056107	38,669	573,558	SH	SOLE	573,558	0	0
HAVERTY FURNITURE COS INC	COM	419596101	889	35,700	SH	SOLE	35,700	0	0
HAWAIIAN ELEC INDUSTRIES	COM	419870100	8,994	259,500	SH	SOLE	259,500	0	0
HAWAIIAN HOLDINGS INC	COM	419879101	399	30,309	SH	SOLE	30,309	0	0
HAWKINS INC	COM	420261109	1,754	44,988	SH	SOLE	44,988	0	0
HAYWARD HLDGS INC	COM	421298100	1,668	188,000	SH	SOLE	188,000	0	0
HCA HEALTHCARE INC	COM	40412C101	188,269	1,024,369	SH	SOLE	1,024,369	0	0
HCI GROUP INC	COM	40416E103	804	20,500	SH	SOLE	20,500	0	0
HEALTH CATALYST INC	COM	42225T107	1,121	115,600	SH	SOLE	115,600	0	0
HEALTHCARE RLTY TR	CL A COM	42226K105	34,400	1,649,886	SH	SOLE	1,649,886	0	0
HEALTHCARE SVCS GROUP INC	COM	421906108	2,123	175,563	SH	SOLE	175,563	0	0
HEALTHEQUITY INC	COM	42226A107	13,441	200,100	SH	SOLE	200,100	0	0
HEALTHPEAK PROPERTIES INC	COM	42250P103	53,591	2,338,186	SH	SOLE	2,338,186	0	0
HEALTHSTREAM INC	COM	42222N103	1,227	57,700	SH	SOLE	57,700	0	0
HEARTLAND EXPRESS INC	COM	422347104	1,996	139,500	SH	SOLE	139,500	0	0
HEARTLAND FINL USA INC	COM	42234Q102	4,358	100,500	SH	SOLE	100,500	0	0
HECLA MNG CO	COM	422704106	5,194	1,318,362	SH	SOLE	1,318,362	0	0
HEICO CORP NEW	CL A	422806208	36,349	317,123	SH	SOLE	317,123	0	0
HEICO CORP NEW	COM	422806109	27,155	188,603	SH	SOLE	188,603	0	0
HEIDRICK & STRUGGLES INTL IN	COM	422819102	1,206	46,400	SH	SOLE	46,400	0	0
HELEN OF TROY LTD	COM	G4388N106	5,449	56,500	SH	SOLE	56,500	0	0
HELIOGEN INC	COMMON STOCK	42329E105	459	246,700	SH	SOLE	246,700	0	0
HELIOS TECHNOLOGIES INC	COM	42328H109	3,896	77,000	SH	SOLE	77,000	0	0
HELIX ENERGY SOLUTIONS GRP I	COM	42330P107	1,308	338,900	SH	SOLE	338,900	0	0
HELMERICH & PAYNE INC	COM	423452101	9,231	249,700	SH	SOLE	249,700	0	0
HENRY JACK & ASSOC INC	COM	426281101	57,465	315,272	SH	SOLE	315,272	0	0
HENRY SCHEIN INC	COM	806407102	39,344	598,210	SH	SOLE	598,210	0	0
HERBALIFE NUTRITION LTD	COM SHS	G4412G101	4,600	231,272	SH	SOLE	231,272	0	0
HERC HLDGS INC	COM	42704L104	5,895	56,746	SH	SOLE	56,746	0	0
HERITAGE COMM CORP	COM	426927109	1,616	142,500	SH	SOLE	142,500	0	0
HERITAGE CRYSTAL CLEAN INC	COM	42726M106	1,100	37,200	SH	SOLE	37,200	0	0
HERITAGE FINL CORP WASH	COM	42722X106	2,201	83,168	SH	SOLE	83,168	0	0
HERON THERAPEUTICS INC	COM	427746102	1,176	278,700	SH	SOLE	278,700	0	0
HERSHEY CO	COM	427866108	139,490	632,694	SH	SOLE	632,694	0	0
HERTZ GLOBAL HLDGS INC	COM NEW	42806J700	8,751	537,500	SH	SOLE	537,500	0	0
HESKA CORP	COM RESTRC NEW	42805E306	1,772	24,300	SH	SOLE	24,300	0	0
HESS CORP	COM	42809H107	132,315	1,214,006	SH	SOLE	1,214,006	0	0
HESS MIDSTREAM LP	CL A SHS	428103105	2,662	104,300	SH	SOLE	104,300	0	0
HEWLETT PACKARD ENTERPRISE C	COM	42824C109	67,478	5,632,553	SH	SOLE	5,632,553	0	0

HEXCEL CORP NEW	COM	428291108	10,308	199,300	SH	SOLE	199,300	0	0
HF SINCLAIR CORP	COM	403949100	19,948	370,500	SH	SOLE	370,500	0	0
HIBBETT INC	COM	428567101	1,454	29,200	SH	SOLE	29,200	0	0
HIGHWOODS PPTYS INC	COM	431284108	6,721	249,302	SH	SOLE	249,302	0	0
HILLENBRAND INC	COM	431571108	6,245	170,059	SH	SOLE	170,059	0	0
HILLMAN SOLUTIONS CORP	COM	431636109	1,729	229,300	SH	SOLE	229,300	0	0
HILLTOP HOLDINGS INC	COM	432748101	3,044	122,500	SH	SOLE	122,500	0	0
HILTON GRAND VACATIONS INC	COM	43283X105	7,034	213,860	SH	SOLE	213,860	0	0
HILTON WORLDWIDE HLDGS INC	COM	43300A203	145,496	1,206,238	SH	SOLE	1,206,238	0	0
HIMS & HERS HEALTH INC	COM CL A	433000106	1,570	281,300	SH	SOLE	281,300	0	0
HINGHAM INSTN SVGS MASS	COM	433323102	829	3,300	SH	SOLE	3,300	0	0
HIRERIGHT HOLDINGS CORPORATI	COM	433537107	856	56,100	SH	SOLE	56,100	0	0
HNI CORP	COM	404251100	2,664	100,500	SH	SOLE	100,500	0	0
HOLLEY INC	COM	43538H103	388	95,800	SH	SOLE	95,800	0	0
HOLOGIC INC	COM	436440101	69,699	1,080,275	SH	SOLE	1,080,275	0	0
HOME BANCSHARES INC	COM	436893200	10,427	463,207	SH	SOLE	463,207	0	0
HOME DEPOT INC	COM	437076102	1,229,027	4,453,966	SH	SOLE	4,453,966	0	0
HOMESTREET INC	COM	43785V102	1,279	44,400	SH	SOLE	44,400	0	0
HONEST CO INC	COM	438333106	453	129,500	SH	SOLE	129,500	0	0
HONEYWELL INTL INC	COM	438516106	492,571	2,950,055	SH	SOLE	2,950,055	0	0
HOPE BANCORP INC	COM	43940T109	3,608	285,457	SH	SOLE	285,457	0	0
HORACE MANN EDUCATORS CORP N	COM	440327104	3,465	98,200	SH	SOLE	98,200	0	0
HORIZON BANCORP INC	COM	440407104	1,662	92,550	SH	SOLE	92,550	0	0
HORIZON THERAPEUTICS PUB L	SHS	G46188101	58,577	946,468	SH	SOLE	946,468	0	0
HORMEL FOODS CORP	COM	440452100	59,024	1,298,943	SH	SOLE	1,298,943	0	0
HOST HOTELS & RESORTS INC	COM	44107P104	49,191	3,097,654	SH	SOLE	3,097,654	0	0
HOSTESS BRANDS INC	CL A	44109J106	7,620	327,900	SH	SOLE	327,900	0	0
HOULIHAN LOKEY INC	CL A	441593100	8,845	117,336	SH	SOLE	117,336	0	0
HOVNANIAN ENTERPRISES INC	CL A NEW	442487401	450	12,600	SH	SOLE	12,600	0	0
HOWARD HUGHES CORP	COM	44267D107	5,057	91,300	SH	SOLE	91,300	0	0
HOWMET AEROSPACE INC	COM	443201108	50,491	1,632,421	SH	SOLE	1,632,421	0	0
HP INC	COM	40434L105	113,711	4,563,026	SH	SOLE	4,563,026	0	0
HUB GROUP INC	CL A	443320106	5,560	80,600	SH	SOLE	80,600	0	0
HUBBELL INC	COM	443510607	28,366	127,200	SH	SOLE	127,200	0	0
HUBSPOT INC	COM	443573100	53,113	196,626	SH	SOLE	196,626	0	0
HUDBAY MINERALS INC	COM	443628102	2,157	531,600	SH	SOLE	531,600	0	0
HUDSON PAC PPTYS INC	COM	444097109	3,755	342,950	SH	SOLE	342,950	0	0
HUMACYTE INC	COM	44486Q103	435	133,500	SH	SOLE	133,500	0	0
HUMANA INC	COM	444859102	265,951	548,137	SH	SOLE	548,137	0	0
HUNT J B TRANS SVCS INC	COM	445658107	56,826	363,294	SH	SOLE	363,294	0	0
HUNTINGTON INGALLS INDS INC	COM	446413106	38,359	173,178	SH	SOLE	173,178	0	0
HUNTSMAN CORP	COM	447011107	10,377	422,874	SH	SOLE	422,874	0	0

HURON CONSULTING GROUP INC	COM	447462102	3,339	50,400	SH	SOLE	50,400	0	0
HUT 8 MNG CORP	COM	44812T102	711	396,200	SH	SOLE	396,200	0	0
HUTCHMED CHINA LTD	SPONSORED ADS	44842L103	1,858	209,660	SH	SOLE	209,660	0	0
HYATT HOTELS CORP	COM CL A	448579102	9,845	121,600	SH	SOLE	121,600	0	0
HYDROFARM HLDGS GROUP INC	COM	44888K209	132	68,100	SH	SOLE	68,100	0	0
HYLIION HOLDINGS CORP	COMMON STOCK	449109107	761	265,300	SH	SOLE	265,300	0	0
HYSTER YALE MATLS HANDLING I	CL A	449172105	460	21,400	SH	SOLE	21,400	0	0
HYZON MOTORS INC	COM CL A	44951Y102	299	175,700	SH	SOLE	175,700	0	0
I3 VERTICALS INC	COM CL A	46571Y107	1,044	52,100	SH	SOLE	52,100	0	0
I-80 GOLD CORP	COM	44955L106	659	370,300	SH	SOLE	370,300	0	0
IAA INC	COM	449253103	10,116	317,600	SH	SOLE	317,600	0	0
IAC INC	COM NEW	44891N208	19,051	344,001	SH	SOLE	344,001	0	0
IAMGOLD CORP	COM	450913108	1,169	1,074,900	SH	SOLE	1,074,900	0	0
ICF INTL INC	COM	44925C103	4,862	44,600	SH	SOLE	44,600	0	0
ICHOR HOLDINGS	SHS	G4740B105	1,644	67,900	SH	SOLE	67,900	0	0
ICL GROUP LTD	SHS	M53213100	24,245	3,006,869	SH	SOLE	3,006,869	0	0
ICU MED INC	COM	44930G107	7,247	48,119	SH	SOLE	48,119	0	0
IDACORP INC	COM	451107106	11,871	119,900	SH	SOLE	119,900	0	0
IDEANOMICS INC	COM	45166V106	306	1,113,700	SH	SOLE	1,113,700	0	0
IDEAYA BIOSCIENCES INC	COM	45166A102	1,353	90,700	SH	SOLE	90,700	0	0
IDEX CORP	COM	45167R104	65,885	329,670	SH	SOLE	329,670	0	0
IDEXX LABS INC	COM	45168D104	118,603	364,036	SH	SOLE	364,036	0	0
IDT CORP	CL B NEW	448947507	1,140	45,900	SH	SOLE	45,900	0	0
IES HLDGS INC	COM	44951W106	613	22,200	SH	SOLE	22,200	0	0
IGM BIOSCIENCES INC	COM	449585108	516	22,700	SH	SOLE	22,700	0	0
IHEARTMEDIA INC	COM CL A	45174J509	1,997	272,500	SH	SOLE	272,500	0	0
ILLINOIS TOOL WKS INC	COM	452308109	243,797	1,349,552	SH	SOLE	1,349,552	0	0
ILLUMINA INC	COM	452327109	129,899	680,847	SH	SOLE	680,847	0	0
IMAGO BIOSCIENCES INC	COM	45250K107	479	31,800	SH	SOLE	31,800	0	0
IMAX CORP	COM	45245E109	1,574	111,500	SH	SOLE	111,500	0	0
IMMUNITYBIO INC	COM	45256X103	1,397	281,100	SH	SOLE	281,100	0	0
IMMUNOGEN INC	COM	45253H101	2,250	470,700	SH	SOLE	470,700	0	0
IMMUNOVANT INC	COM	45258J102	531	95,100	SH	SOLE	95,100	0	0
IMPERIAL OIL LTD	COM NEW	453038408	45,978	1,053,388	SH	SOLE	1,053,388	0	0
IMPINJ INC	COM	453204109	4,098	51,200	SH	SOLE	51,200	0	0
INARI MED INC	COM	45332Y109	7,322	100,800	SH	SOLE	100,800	0	0
INCYTE CORP	COM	45337C102	54,277	814,481	SH	SOLE	814,481	0	0
INDEPENDENCE RLTY TR INC	COM	45378A106	8,773	524,400	SH	SOLE	524,400	0	0
INDEPENDENT BANK GROUP INC	COM	45384B106	5,539	90,222	SH	SOLE	90,222	0	0
INDEPENDENT BK CORP MASS	COM	453836108	8,264	110,878	SH	SOLE	110,878	0	0
INDEPENDENT BK CORP MICH	COM NEW	453838609	951	49,800	SH	SOLE	49,800	0	0
INDIE SEMICONDUCTOR INC	CLASS A COM	45569U101	1,214	165,800	SH	SOLE	165,800	0	0
INDUS REALTY TRUST INC	COM	45580R103	503	9,600	SH	SOLE	9,600	0	0

INDUSTRIAL LOGISTICS PPTYS T	COM SHS BEN INT	456237106	851	154,647	SH	SOLE	154,647	0	0
INFINERA CORP	COM	45667G103	2,223	459,300	SH	SOLE	459,300	0	0
INFORMATICA INC	COM CL A	45674M101	1,672	83,300	SH	SOLE	83,300	0	0
INGERSOLL RAND INC	COM	45687V106	76,073	1,758,496	SH	SOLE	1,758,496	0	0
INGEVITY CORP	COM	45688C107	5,571	91,890	SH	SOLE	91,890	0	0
INGLES MKTS INC	CL A	457030104	2,558	32,300	SH	SOLE	32,300	0	0
INGREDION INC	COM	457187102	12,650	157,100	SH	SOLE	157,100	0	0
INHIBRX INC	COM	45720L107	996	55,500	SH	SOLE	55,500	0	0
INMODE LTD	SHS	M5425M103	4,911	168,700	SH	SOLE	168,700	0	0
INNOSPEC INC	COM	45768S105	5,038	58,803	SH	SOLE	58,803	0	0
INNOVATIVE INDL PPTYS INC	COM	45781V101	5,868	66,300	SH	SOLE	66,300	0	0
INNOVID CORP	COMMON STOCK	457679108	379	139,679	SH	SOLE	139,679	0	0
INNOVIVA INC	COM	45781M101	1,717	147,900	SH	SOLE	147,900	0	0
INOGEN INC	COM	45780L104	1,248	51,400	SH	SOLE	51,400	0	0
INOVIO PHARMACEUTICALS INC	COM NEW	45773H201	937	543,100	SH	SOLE	543,100	0	0
INSEEGO CORP	COM	45782B104	386	186,400	SH	SOLE	186,400	0	0
INSIGHT ENTERPRISES INC	COM	45765U103	6,857	83,200	SH	SOLE	83,200	0	0
INSMED INC	COM PAR \$.01	457669307	6,104	283,400	SH	SOLE	283,400	0	0
INSPERITY INC	COM	45778Q107	8,810	86,300	SH	SOLE	86,300	0	0
INSPIRE MED SYS INC	COM	457730109	11,600	65,400	SH	SOLE	65,400	0	0
INSTALLED BLDG PRODS INC	COM	45780R101	4,781	59,033	SH	SOLE	59,033	0	0
INSTEEL INDS INC	COM	45774W108	1,218	45,900	SH	SOLE	45,900	0	0
INSULET CORP	COM	45784P101	68,929	300,477	SH	SOLE	300,477	0	0
INTAPP INC	COM	45827U109	540	28,900	SH	SOLE	28,900	0	0
INTEGER HLDGS CORP	COM	45826H109	4,885	78,500	SH	SOLE	78,500	0	0
INTEGRA LIFESCIENCES HLDGS C	COM NEW	457985208	7,514	177,394	SH	SOLE	177,394	0	0
INTEL CORP	COM	458140100	456,664	17,720,748	SH	SOLE	17,720,748	0	0
INTELLIA THERAPEUTICS INC	COM	45826J105	9,060	161,900	SH	SOLE	161,900	0	0
INTER PARFUMS INC	COM	458334109	3,418	45,300	SH	SOLE	45,300	0	0
INTERACTIVE BROKERS GROUP IN	COM CL A	45841N107	14,150	221,400	SH	SOLE	221,400	0	0
INTERCEPT PHARMACEUTICALS IN	COM	45845P108	776	55,600	SH	SOLE	55,600	0	0
INTERDIGITAL INC	COM	45867G101	2,959	73,200	SH	SOLE	73,200	0	0
INTERFACE INC	COM	458665304	1,268	141,000	SH	SOLE	141,000	0	0
INTERNATIONAL BANCSHARES COR	COM	459044103	5,729	134,800	SH	SOLE	134,800	0	0
INTERNATIONAL BUSINESS MACHS	COM	459200101	463,114	3,897,940	SH	SOLE	3,897,940	0	0
INTERNATIONAL FLAVORS&FRAGRA	COM	459506101	100,218	1,103,356	SH	SOLE	1,103,356	0	0
INTERNATIONAL MNY EXPRESS IN	COM	46005L101	1,762	77,300	SH	SOLE	77,300	0	0
INTERNATIONAL PAPER CO	COM	460146103	48,373	1,525,950	SH	SOLE	1,525,950	0	0
INTERNATIONAL SEAWAYS INC	COM	Y41053102	3,102	88,300	SH	SOLE	88,300	0	0
INTERPUBLIC GROUP COS INC	COM	460690100	43,578	1,702,251	SH	SOLE	1,702,251	0	0

INTRA-CELLULAR THERAPIES INC	COM	46116X101	9,366	201,300	SH	SOLE	201,300	0	0
INTREPID POTASH INC	COM	46121Y201	1,017	25,700	SH	SOLE	25,700	0	0
INTUIT	COM	461202103	449,810	1,161,339	SH	SOLE	1,161,339	0	0
INTUITIVE SURGICAL INC	COM NEW	46120E602	291,598	1,555,685	SH	SOLE	1,555,685	0	0
INVENTRUST PPTYS CORP	COM NEW	46124J201	3,409	159,800	SH	SOLE	159,800	0	0
INVESCO MORTGAGE CAPITAL INC	COM	46131B704	862	77,701	SH	SOLE	77,701	0	0
INVITAE CORP	COM	46185L103	1,271	516,500	SH	SOLE	516,500	0	0
INVITATION HOMES INC	COM	46187W107	89,320	2,644,957	SH	SOLE	2,644,957	0	0
IONIS PHARMACEUTICALS INC	COM	462222100	13,384	302,600	SH	SOLE	302,600	0	0
IONQ INC	COM	46222L108	1,181	232,900	SH	SOLE	232,900	0	0
IOVANCE BIOTHERAPEUTICS INC	COM	462260100	2,678	279,556	SH	SOLE	279,556	0	0
IPG PHOTONICS CORP	COM	44980X109	7,263	86,100	SH	SOLE	86,100	0	0
IQIYI INC	SPONSORED ADS	46267X108	2,247	829,261	SH	SOLE	829,261	0	0
IQVIA HLDGS INC	COM	46266C105	148,594	820,326	SH	SOLE	820,326	0	0
IRHYTHM TECHNOLOGIES INC	COM	450056106	8,845	70,600	SH	SOLE	70,600	0	0
IRIDIUM COMMUNICATIONS INC	COM	46269C102	12,122	273,200	SH	SOLE	273,200	0	0
IROBOT CORP	COM	462726100	3,622	64,300	SH	SOLE	64,300	0	0
IRON MTN INC DEL	COM	46284V101	55,365	1,259,147	SH	SOLE	1,259,147	0	0
IRONWOOD PHARMACEUTICALS INC	COM CL A	46333X108	3,401	328,300	SH	SOLE	328,300	0	0
ISTAR INC	COM	45031U101	1,820	196,500	SH	SOLE	196,500	0	0
ITEOS THERAPEUTICS INC	COM	46565G104	872	45,800	SH	SOLE	45,800	0	0
ITRON INC	COM	465741106	4,502	106,900	SH	SOLE	106,900	0	0
ITT INC	COM	45073V108	12,937	198,000	SH	SOLE	198,000	0	0
ITURAN LOCATION AND CONTROL	SHS	M6158M104	862	36,925	SH	SOLE	36,925	0	0
IVERIC BIO INC	COM	46583P102	3,466	193,200	SH	SOLE	193,200	0	0
J & J SNACK FOODS CORP	COM	466032109	4,998	38,600	SH	SOLE	38,600	0	0
JABIL INC	COM	466313103	18,358	318,100	SH	SOLE	318,100	0	0
JACK IN THE BOX INC	COM	466367109	3,696	49,900	SH	SOLE	49,900	0	0
JACKSON FINANCIAL INC	COM CL A	46817M107	3,408	122,800	SH	SOLE	122,800	0	0
JACOBS SOLUTIONS INC	COM	46982L108	60,468	557,360	SH	SOLE	557,360	0	0
JAMES RIV GROUP LTD	COM	G5005R107	2,026	88,799	SH	SOLE	88,799	0	0
JAMF HLDG CORP	COM	47074L105	1,888	85,200	SH	SOLE	85,200	0	0
JANUS HENDERSON GROUP PLC	ORD SHS	G4474Y214	6,875	338,505	SH	SOLE	338,505	0	0
JANUS INTERNATIONAL GROUP IN	COMMON STOCK	47103N106	1,694	189,900	SH	SOLE	189,900	0	0
JAZZ PHARMACEUTICALS PLC	SHS USD	G50871105	36,003	270,112	SH	SOLE	270,112	0	0
JBG SMITH PPTYS	COM	46590V100	4,899	263,658	SH	SOLE	263,658	0	0
JEFFERIES FINL GROUP INC	COM	47233W109	13,405	454,400	SH	SOLE	454,400	0	0
JELD-WEN HLDG INC	COM	47580P103	1,807	206,500	SH	SOLE	206,500	0	0
JETBLUE AWYS CORP	COM	477143101	1,261	190,200	SH	SOLE	190,200	0	0

JFROG LTD	ORD SHS	M6191J100	2,589	117,100	SH	SOLE	117,100	0	0
JOHN BEAN TECHNOLOGIES CORP	COM	477839104	6,484	75,400	SH	SOLE	75,400	0	0
JOHNSON & JOHNSON	COM	478160104	1,862,927	11,403,816	SH	SOLE	11,403,816	0	0
JOHNSON CTLS INTL PLC	SHS	G51502105	148,389	3,014,808	SH	SOLE	3,014,808	0	0
JOHNSON OUTDOORS INC	CL A	479167108	703	13,700	SH	SOLE	13,700	0	0
JOINT CORP	COM	47973J102	536	34,100	SH	SOLE	34,100	0	0
JONES LANG LASALLE INC	COM	48020Q107	17,509	115,900	SH	SOLE	115,900	0	0
JOYY INC	ADS REPSTG COM A	46591M109	3,580	137,708	SH	SOLE	137,708	0	0
JUNIPER NETWORKS INC	COM	48203R104	36,513	1,397,900	SH	SOLE	1,397,900	0	0
KADANT INC	COM	48282T104	4,604	27,600	SH	SOLE	27,600	0	0
KAISER ALUMINUM CORP	COM PAR \$0.01	483007704	2,301	37,500	SH	SOLE	37,500	0	0
KAMAN CORP	COM	483548103	1,656	59,300	SH	SOLE	59,300	0	0
KANZHUN LIMITED	SPONSORED ADS	48553T106	8,206	486,160	SH	SOLE	486,160	0	0
KAR AUCTION SVCS INC	COM	48238T109	3,219	288,200	SH	SOLE	288,200	0	0
KARUNA THERAPEUTICS INC	COM	48576A100	14,238	63,300	SH	SOLE	63,300	0	0
KARYOPHARM THERAPEUTICS INC	COM	48576U106	925	169,450	SH	SOLE	169,450	0	0
KB HOME	COM	48666K109	4,901	189,100	SH	SOLE	189,100	0	0
KBR INC	COM	48242W106	14,303	330,941	SH	SOLE	330,941	0	0
KE HLDGS INC	SPONSORED ADS	482497104	31,706	1,809,683	SH	SOLE	1,809,683	0	0
KEARNY FINL CORP MD	COM	48716P108	1,596	150,264	SH	SOLE	150,264	0	0
KELLOGG CO	COM	487836108	76,529	1,098,613	SH	SOLE	1,098,613	0	0
KELLY SVCS INC	CL A	488152208	1,059	77,900	SH	SOLE	77,900	0	0
KEMPER CORP	COM	488401100	6,244	151,324	SH	SOLE	151,324	0	0
KENNAMETAL INC	COM	489170100	3,828	186,000	SH	SOLE	186,000	0	0
KENNEDY-WILSON HOLDINGS INC	COM	489398107	4,546	294,068	SH	SOLE	294,068	0	0
KENON HLDGS LTD	SHS	Y46717107	1,546	45,156	SH	SOLE	45,156	0	0
KEROS THERAPEUTICS INC	COM	492327101	1,287	34,200	SH	SOLE	34,200	0	0
KEURIG DR PEPPER INC	COM	49271V100	121,029	3,378,823	SH	SOLE	3,378,823	0	0
KEYSIGHT TECHNOLOGIES INC	COM	49338L103	124,088	788,562	SH	SOLE	788,562	0	0
KEZAR LIFE SCIENCES INC	COM	49372L100	925	107,400	SH	SOLE	107,400	0	0
KFORCE INC	COM	493732101	2,815	48,000	SH	SOLE	48,000	0	0
KILROY RLTY CORP	COM	49427F108	10,490	249,111	SH	SOLE	249,111	0	0
KIMBALL ELECTRONICS INC	COM	49428J109	1,019	59,400	SH	SOLE	59,400	0	0
KIMBELL RTY PARTNERS LP	UNIT	49435R102	1,963	115,600	SH	SOLE	115,600	0	0
KIMBERLY-CLARK CORP	COM	494368103	164,283	1,459,778	SH	SOLE	1,459,778	0	0
KIMCO RLTY CORP	COM	49446R109	49,305	2,678,166	SH	SOLE	2,678,166	0	0
KINDER MORGAN INC DEL	COM	49456B101	147,105	8,840,462	SH	SOLE	8,840,462	0	0
KINETIK HOLDINGS INC	COM NEW CL A	02215L209	1,310	40,200	SH	SOLE	40,200	0	0
KINIKSA PHARMACEUTICALS	COM CL A	G5269C101	928	72,300	SH	SOLE	72,300	0	0

LTD

KINROSS GOLD CORP	COM	496902404	22,176	5,843,835	SH	SOLE	5,843,835	0	0
KINSALE CAP GROUP INC	COM	49714P108	13,170	51,562	SH	SOLE	51,562	0	0
KIRBY CORP	COM	497266106	2,161	35,557	SH	SOLE	35,557	0	0
KITE RLTY GROUP TR	COM NEW	49803T300	8,944	519,397	SH	SOLE	519,397	0	0
KKR REAL ESTATE FIN TR INC	COM	48251K100	1,963	120,800	SH	SOLE	120,800	0	0
KLA CORP	COM NEW	482480100	195,717	646,721	SH	SOLE	646,721	0	0
KNIGHT-SWIFT TRANSN HLDGS IN	CL A	499049104	32,967	673,755	SH	SOLE	673,755	0	0
KNOWBE4 INC	CL A	49926T104	3,523	169,300	SH	SOLE	169,300	0	0
KNOWLES CORP	COM	49926D109	2,648	217,600	SH	SOLE	217,600	0	0
KODIAK SCIENCES INC	COM	50015M109	615	79,500	SH	SOLE	79,500	0	0
KOHL'S CORP	COM	500255104	7,668	304,900	SH	SOLE	304,900	0	0
KONTOOR BRANDS INC	COM	50050N103	4,020	119,614	SH	SOLE	119,614	0	0
KOPPERS HOLDINGS INC	COM	50060P106	1,047	50,400	SH	SOLE	50,400	0	0
KORN FERRY	COM NEW	500643200	6,000	127,800	SH	SOLE	127,800	0	0
KORNIT DIGITAL LTD	SHS	M6372Q113	3,143	118,100	SH	SOLE	118,100	0	0
KOSMOS ENERGY LTD	COM	500688106	5,584	1,080,000	SH	SOLE	1,080,000	0	0
KRAFT HEINZ CO	COM	500754106	106,076	3,180,676	SH	SOLE	3,180,676	0	0
KRATOS DEFENSE & SEC SOLUTIO	COM NEW	50077B207	3,011	296,400	SH	SOLE	296,400	0	0
KRISPY KREME INC	COM	50101L106	1,817	157,600	SH	SOLE	157,600	0	0
KROGER CO	COM	501044101	131,079	2,996,090	SH	SOLE	2,996,090	0	0
KRONOS WORLDWIDE INC	COM	50105F105	511	54,700	SH	SOLE	54,700	0	0
KRYSTAL BIOTECH INC	COM	501147102	2,969	42,600	SH	SOLE	42,600	0	0
KULICKE & SOFFA INDS INC	COM	501242101	5,402	140,200	SH	SOLE	140,200	0	0
KURA ONCOLOGY INC	COM	50127T109	1,826	133,700	SH	SOLE	133,700	0	0
KYMERA THERAPEUTICS INC	COM	501575104	1,735	79,700	SH	SOLE	79,700	0	0
KYNDRYL HLDGS INC	COMMON STOCK	50155Q100	3,523	426,000	SH	SOLE	426,000	0	0
LA Z BOY INC	COM	505336107	2,313	102,500	SH	SOLE	102,500	0	0
LABORATORY CORP AMER HLDGS	COM NEW	50540R409	82,280	401,738	SH	SOLE	401,738	0	0
LADDER CAP CORP	CL A	505743104	2,431	271,307	SH	SOLE	271,307	0	0
LAKELAND BANCORP INC	COM	511637100	2,321	144,985	SH	SOLE	144,985	0	0
LAKELAND FINL CORP	COM	511656100	4,380	60,150	SH	SOLE	60,150	0	0
LAM RESEARCH CORP	COM	512807108	220,014	601,132	SH	SOLE	601,132	0	0
LAMAR ADVERTISING CO NEW	CL A	512816109	17,029	206,438	SH	SOLE	206,438	0	0
LAMB WESTON HLDGS INC	COM	513272104	26,503	342,500	SH	SOLE	342,500	0	0
LANCASTER COLONY CORP	COM	513847103	6,872	45,726	SH	SOLE	45,726	0	0
LANDS END INC NEW	COM	51509F105	241	31,210	SH	SOLE	31,210	0	0
LANDSTAR SYS INC	COM	515098101	12,705	88,000	SH	SOLE	88,000	0	0
LANTHEUS HLDGS INC	COM	516544103	11,446	162,754	SH	SOLE	162,754	0	0
LAREDO PETROLEUM INC	COM	516806205	2,193	34,900	SH	SOLE	34,900	0	0
LARGO INC	COM	517097101	488	92,110	SH	SOLE	92,110	0	0

LAS VEGAS SANDS CORP	COM	517834107	55,765	1,486,276	SH	SOLE	1,486,276	0	0
LATCH INC	COM	51818V106	229	240,400	SH	SOLE	240,400	0	0
LATHAM GROUP INC	COM	51819L107	407	113,400	SH	SOLE	113,400	0	0
LATTICE SEMICONDUCTOR CORP	COM	518415104	16,057	326,300	SH	SOLE	326,300	0	0
LAUDER ESTEE COS INC	CL A	518439104	216,899	1,004,625	SH	SOLE	1,004,625	0	0
LAUREATE EDUCATION INC	COMMON STOCK	518613203	2,805	265,900	SH	SOLE	265,900	0	0
LCI INDS	COM	50189K103	6,118	60,300	SH	SOLE	60,300	0	0
LEAR CORP	COM NEW	521865204	30,983	258,862	SH	SOLE	258,862	0	0
LEGEND BIOTECH CORP	SPONSORED ADS	52490G102	5,096	124,894	SH	SOLE	124,894	0	0
LEGGETT & PLATT INC	COM	524660107	10,521	316,700	SH	SOLE	316,700	0	0
LEIDOS HOLDINGS INC	COM	525327102	49,205	562,539	SH	SOLE	562,539	0	0
LEMAITRE VASCULAR INC	COM	525558201	2,372	46,800	SH	SOLE	46,800	0	0
LEMONADE INC	COM	52567D107	2,237	105,600	SH	SOLE	105,600	0	0
LENDINGCLUB CORP	COM NEW	52603A208	2,678	242,360	SH	SOLE	242,360	0	0
LENDINGTREE INC NEW	COM	52603B107	650	27,250	SH	SOLE	27,250	0	0
LENNAR CORP	CL A	526057104	83,585	1,121,195	SH	SOLE	1,121,195	0	0
LENNOX INTL INC	COM	526107107	31,219	140,205	SH	SOLE	140,205	0	0
LESLIES INC	COM	527064109	5,421	368,500	SH	SOLE	368,500	0	0
LEVI STRAUSS & CO NEW	CL A COM STK	52736R102	3,159	218,300	SH	SOLE	218,300	0	0
LEXICON PHARMACEUTICALS INC	COM NEW	528872302	415	172,800	SH	SOLE	172,800	0	0
LGI HOMES INC	COM	50187T106	4,108	50,481	SH	SOLE	50,481	0	0
LHC GROUP INC	COM	50187A107	11,434	69,866	SH	SOLE	69,866	0	0
LI AUTO INC	SPONSORED ADS	50202M102	34,737	1,509,668	SH	SOLE	1,509,668	0	0
LIBERTY BROADBAND CORP	COM SER C	530307305	41,829	566,794	SH	SOLE	566,794	0	0
LIBERTY ENERGY INC	COM CL A	53115L104	3,932	310,100	SH	SOLE	310,100	0	0
LIBERTY GLOBAL PLC	SHS CL A	G5480U104	10,601	679,982	SH	SOLE	679,982	0	0
LIBERTY GLOBAL PLC	SHS CL C	G5480U120	21,512	1,303,731	SH	SOLE	1,303,731	0	0
LIBERTY LATIN AMERICA LTD	COM CL A	G9001E102	555	89,600	SH	SOLE	89,600	0	0
LIBERTY LATIN AMERICA LTD	COM CL C	G9001E128	2,239	364,017	SH	SOLE	364,017	0	0
LIBERTY MEDIA CORP DEL	COM A BRAVES GRP	531229706	513	18,222	SH	SOLE	18,222	0	0
LIBERTY MEDIA CORP DEL	COM A SIRIUSXM	531229409	12,253	321,856	SH	SOLE	321,856	0	0
LIBERTY MEDIA CORP DEL	COM C BRAVES GRP	531229888	2,575	93,629	SH	SOLE	93,629	0	0
LIBERTY MEDIA CORP DEL	COM C SIRIUSXM	531229607	27,019	716,482	SH	SOLE	716,482	0	0
LIBERTY MEDIA CORP DEL	COM SER C FRMLA	531229854	49,565	847,268	SH	SOLE	847,268	0	0
LIFE STORAGE INC	COM	53223X107	22,161	200,082	SH	SOLE	200,082	0	0
LIFE TIME GROUP HOLDINGS INC	COMMON STOCK	53190C102	665	68,200	SH	SOLE	68,200	0	0
LIGAND PHARMACEUTICALS INC	COM NEW	53220K504	3,444	40,000	SH	SOLE	40,000	0	0
LIGHT & WONDER INC	COM	80874P109	9,241	215,500	SH	SOLE	215,500	0	0

LIGHTSPEED COMMERCE INC	SUB VTG SHS	53229C107	10,678	601,900	SH	SOLE	601,900	0	0
LIGHTWAVE LOGIC INC	COM	532275104	1,942	264,600	SH	SOLE	264,600	0	0
LILLY ELI & CO	COM	532457108	1,131,741	3,500,048	SH	SOLE	3,500,048	0	0
LINCOLN ELEC HLDGS INC	COM	533900106	16,457	130,900	SH	SOLE	130,900	0	0
LINCOLN NATL CORP IND	COM	534187109	31,146	709,306	SH	SOLE	709,306	0	0
LINDBLAD EXPEDITIONS HLDGS I	COM	535219109	526	77,741	SH	SOLE	77,741	0	0
LINDE PLC	SHS	G5494J103	587,320	2,178,568	SH	SOLE	2,178,568	0	0
LINDSAY CORP	COM	535555106	3,725	26,000	SH	SOLE	26,000	0	0
LIONS GATE ENTMNT CORP	CL A VTG	535919401	1,023	137,750	SH	SOLE	137,750	0	0
LIONS GATE ENTMNT CORP	CL B NON VTG	535919500	1,996	287,194	SH	SOLE	287,194	0	0
LIQUIDITY SVCS INC	COM	53635B107	1,091	67,100	SH	SOLE	67,100	0	0
LITHIA MTRS INC	COM	536797103	14,718	68,600	SH	SOLE	68,600	0	0
LITHIUM AMERS CORP NEW	COM NEW	53680Q207	6,799	257,000	SH	SOLE	257,000	0	0
LITTELFUSE INC	COM	537008104	11,653	58,648	SH	SOLE	58,648	0	0
LIVANOVA PLC	SHS	G5509L101	6,434	126,719	SH	SOLE	126,719	0	0
LIVE NATION ENTERTAINMENT IN	COM	538034109	56,369	741,306	SH	SOLE	741,306	0	0
LIVE OAK BANCSHARES INC	COM	53803X105	2,384	77,900	SH	SOLE	77,900	0	0
LIVENT CORP	COM	53814L108	11,755	383,535	SH	SOLE	383,535	0	0
LIVEPERSON INC	COM	538146101	1,580	167,700	SH	SOLE	167,700	0	0
LIVERAMP HLDGS INC	COM	53815P108	2,946	162,200	SH	SOLE	162,200	0	0
LKQ CORP	COM	501889208	54,911	1,164,596	SH	SOLE	1,164,596	0	0
LL FLOORING HOLDINGS INC	COM	55003T107	428	61,800	SH	SOLE	61,800	0	0
LOCAL BOUNTI CORP	COMMON STOCK	53960E106	222	78,200	SH	SOLE	78,200	0	0
LOEWS CORP	COM	540424108	45,195	906,800	SH	SOLE	906,800	0	0
LORDSTOWN MOTORS CORP	COM CL A	54405Q100	683	373,200	SH	SOLE	373,200	0	0
LOUISIANA PAC CORP	COM	546347105	9,967	194,700	SH	SOLE	194,700	0	0
LOVESAC COMPANY	COM	54738L109	654	32,100	SH	SOLE	32,100	0	0
LOWES COS INC	COM	548661107	520,203	2,769,839	SH	SOLE	2,769,839	0	0
LOYALTY VENTURES INC	COMMON STOCK	54911Q107	60	49,229	SH	SOLE	49,229	0	0
LSB INDS INC	COM	502160104	1,270	89,100	SH	SOLE	89,100	0	0
LTC PPTYS INC	COM	502175102	3,504	93,562	SH	SOLE	93,562	0	0
LUCID GROUP INC	COM	549498103	25,244	1,807,000	SH	SOLE	1,807,000	0	0
LULULEMON ATHLETICA INC	COM	550021109	141,334	505,559	SH	SOLE	505,559	0	0
LUMEN TECHNOLOGIES INC	COM	550241103	29,333	4,029,199	SH	SOLE	4,029,199	0	0
LUMENTUM HLDGS INC	COM	55024U109	11,219	163,615	SH	SOLE	163,615	0	0
LUMINAR TECHNOLOGIES INC	COM CL A	550424105	3,490	479,100	SH	SOLE	479,100	0	0
LUTHER BURBANK CORP	COM	550550107	413	35,500	SH	SOLE	35,500	0	0
LUXFER HLDGS PLC	SHS	G5698W116	989	68,200	SH	SOLE	68,200	0	0
LXP INDUSTRIAL TRUST	COM	529043101	6,226	679,700	SH	SOLE	679,700	0	0
LYFT INC	CL A COM	55087P104	17,444	1,324,500	SH	SOLE	1,324,500	0	0

LYONDELLBASELL INDUSTRIES N	SHS - A -	N53745100	85,558	1,136,526	SH	SOLE	1,136,526	0	0
M D C HLDGS INC	COM	552676108	3,703	135,043	SH	SOLE	135,043	0	0
M/I HOMES INC	COM	55305B101	2,427	67,000	SH	SOLE	67,000	0	0
MACERICH CO	COM	554382101	4,042	509,015	SH	SOLE	509,015	0	0
MACOM TECH SOLUTIONS HLDGS I	COM	55405Y100	6,010	116,050	SH	SOLE	116,050	0	0
MACROGENICS INC	COM	556099109	325	93,900	SH	SOLE	93,900	0	0
MACYS INC	COM	55616P104	10,021	639,500	SH	SOLE	639,500	0	0
MADDEN STEVEN LTD	COM	556269108	4,799	179,925	SH	SOLE	179,925	0	0
MADISON SQUARE GRDN ENTERTNM	CL A	55826T102	2,564	58,159	SH	SOLE	58,159	0	0
MADISON SQUARE GRDN SPRT COR	CL A	55825T103	4,788	35,033	SH	SOLE	35,033	0	0
MADRIGAL PHARMACEUTICALS INC	COM	558868105	1,833	28,200	SH	SOLE	28,200	0	0
MAG SILVER CORP	COM	55903Q104	2,656	210,500	SH	SOLE	210,500	0	0
MAGIC SOFTWARE ENTERPRISES L	ORD	559166103	993	64,134	SH	SOLE	64,134	0	0
MAGNA INTL INC	COM	559222401	60,279	1,260,500	SH	SOLE	1,260,500	0	0
MAGNACHIP SEMICONDUCTOR CORP	COM	55933J203	1,102	107,600	SH	SOLE	107,600	0	0
MAGNITE INC	COM	55955D100	1,842	280,400	SH	SOLE	280,400	0	0
MAGNOLIA OIL & GAS CORP	CL A	559663109	7,924	400,000	SH	SOLE	400,000	0	0
MALIBU BOATS INC	COM CL A	56117J100	2,332	48,600	SH	SOLE	48,600	0	0
MANHATTAN ASSOCIATES INC	COM	562750109	19,904	149,620	SH	SOLE	149,620	0	0
MANITOWOC CO INC	COM NEW	563571405	643	82,950	SH	SOLE	82,950	0	0
MANNKIND CORP	COM NEW	56400P706	1,758	569,000	SH	SOLE	569,000	0	0
MANPOWERGROUP INC WIS	COM	56418H100	8,093	125,100	SH	SOLE	125,100	0	0
MANULIFE FINL CORP	COM	56501R106	136,911	8,653,568	SH	SOLE	8,653,568	0	0
MARATHON DIGITAL HOLDINGS IN	COM	565788106	2,565	239,500	SH	SOLE	239,500	0	0
MARATHON OIL CORP	COM	565849106	69,251	3,066,909	SH	SOLE	3,066,909	0	0
MARATHON PETE CORP	COM	56585A102	232,883	2,344,536	SH	SOLE	2,344,536	0	0
MARAVAI LIFESCIENCES HLDGS I	COM CL A	56600D107	6,768	265,100	SH	SOLE	265,100	0	0
MARCUS & MILLICHAP INC	COM	566324109	1,964	59,900	SH	SOLE	59,900	0	0
MARCUS CORP DEL	COM	566330106	718	51,700	SH	SOLE	51,700	0	0
MARINEMAX INC	COM	567908108	1,522	51,100	SH	SOLE	51,100	0	0
MARKEL CORP	COM	570535104	63,750	58,798	SH	SOLE	58,798	0	0
MARKFORGED HOLDING CORPORATI	COM	57064N102	393	198,400	SH	SOLE	198,400	0	0
MARQETA INC	CLASS A COM	57142B104	6,211	872,300	SH	SOLE	872,300	0	0
MARRIOTT INTL INC NEW	CL A	571903202	168,959	1,205,647	SH	SOLE	1,205,647	0	0
MARRIOTT VACATIONS WORLDWIDE	COM	57164Y107	11,374	93,336	SH	SOLE	93,336	0	0
MARSH & MCLENNAN COS INC	COM	571748102	324,723	2,175,113	SH	SOLE	2,175,113	0	0
MARTEN TRANS LTD	COM	573075108	2,979	155,475	SH	SOLE	155,475	0	0
MARTIN MARIETTA MATLS INC	COM	573284106	87,070	270,329	SH	SOLE	270,329	0	0
MARVELL TECHNOLOGY INC	COM	573874104	158,046	3,683,201	SH	SOLE	3,683,201	0	0

MASCO CORP	COM	574599106	47,737	1,022,415	SH	SOLE	1,022,415	0	0
MASIMO CORP	COM	574795100	32,257	228,514	SH	SOLE	228,514	0	0
MASONITE INTL CORP	COM	575385109	3,627	50,877	SH	SOLE	50,877	0	0
MASTEC INC	COM	576323109	8,579	135,100	SH	SOLE	135,100	0	0
MASTERCARD INCORPORATED	CL A	57636Q104	1,070,101	3,763,457	SH	SOLE	3,763,457	0	0
MATADOR RES CO	COM	576485205	13,703	280,102	SH	SOLE	280,102	0	0
MATCH GROUP INC NEW	COM	57667L107	59,099	1,237,683	SH	SOLE	1,237,683	0	0
MATERION CORP	COM	576690101	3,888	48,600	SH	SOLE	48,600	0	0
MATIV HOLDINGS INC	COM	808541106	2,833	128,312	SH	SOLE	128,312	0	0
MATSON INC	COM	57686G105	1,483	24,100	SH	SOLE	24,100	0	0
MATTEL INC	COM	577081102	15,832	835,900	SH	SOLE	835,900	0	0
MATTERPORT INC	COM CL A	577096100	1,900	501,400	SH	SOLE	501,400	0	0
MATTHEWS INTL CORP	CL A	577128101	1,499	66,896	SH	SOLE	66,896	0	0
MAVERIX METALS INC	COM NEW	57776F405	522	155,715	SH	SOLE	155,715	0	0
MAXAR TECHNOLOGIES INC	COM	57778K105	3,272	174,800	SH	SOLE	174,800	0	0
MAXCYTE INC	COM	57777K106	1,088	167,400	SH	SOLE	167,400	0	0
MAXEON SOLAR TECHNOLOGIES LT	SHS	Y58473102	1,379	58,000	SH	SOLE	58,000	0	0
MAXIMUS INC	COM	577933104	8,438	145,807	SH	SOLE	145,807	0	0
MAXLINEAR INC	COM	57776J100	5,701	174,773	SH	SOLE	174,773	0	0
MBIA INC	COM	55262C100	1,018	110,600	SH	SOLE	110,600	0	0
MCCORMICK & CO INC	COM NON VTG	579780206	77,280	1,084,331	SH	SOLE	1,084,331	0	0
MCDONALDS CORP	COM	580135101	739,512	3,204,957	SH	SOLE	3,204,957	0	0
MCEWEN MNG INC	COM NEW	58039P305	301	92,293	SH	SOLE	92,293	0	0
MCGRATH RENTCORP	COM	580589109	4,839	57,700	SH	SOLE	57,700	0	0
MCKESSON CORP	COM	58155Q103	214,106	629,965	SH	SOLE	629,965	0	0
MDU RES GROUP INC	COM	552690109	13,188	482,190	SH	SOLE	482,190	0	0
MEDIAALPHA INC	CL A	58450V104	474	54,200	SH	SOLE	54,200	0	0
MEDICAL PPTYS TRUST INC	COM	58463J304	30,845	2,600,722	SH	SOLE	2,600,722	0	0
MEDIFAST INC	COM	58470H101	2,947	27,200	SH	SOLE	27,200	0	0
MEDPACE HLDGS INC	COM	58506Q109	9,556	60,800	SH	SOLE	60,800	0	0
MEDTRONIC PLC	SHS	G5960L103	465,700	5,767,179	SH	SOLE	5,767,179	0	0
MEIRAGTX HLDGS PLC	COM	G59665102	528	62,800	SH	SOLE	62,800	0	0
MELCO RESORTS AND ENTMNT LTD	ADR	585464100	3,373	508,747	SH	SOLE	508,747	0	0
MEMBERSHIP COLLECTIVE GROUP	COM CL A	586001109	341	72,200	SH	SOLE	72,200	0	0
MERCADOLIBRE INC	COM	58733R102	162,617	196,449	SH	SOLE	196,449	0	0
MERCANTILE BK CORP	COM	587376104	1,061	35,700	SH	SOLE	35,700	0	0
MERCER INTL INC	COM	588056101	1,248	101,472	SH	SOLE	101,472	0	0
MERCHANTS BANCORP IND	COM	58844R108	939	40,700	SH	SOLE	40,700	0	0
MERCK & CO INC	COM	58933Y105	943,809	10,959,232	SH	SOLE	10,959,232	0	0
MERCURY GENL CORP NEW	COM	589400100	1,862	65,500	SH	SOLE	65,500	0	0
MERCURY SYS INC	COM	589378108	4,998	123,100	SH	SOLE	123,100	0	0
MERIDIAN BIOSCIENCE INC	COM	589584101	3,257	103,300	SH	SOLE	103,300	0	0
MERIDIANLINK INC	COMMON STOCK	58985J105	775	47,600	SH	SOLE	47,600	0	0

MERIT MED SYS INC	COM	589889104	7,595	134,400	SH	SOLE	134,400	0	0
MERITAGE HOMES CORP	COM	59001A102	6,113	87,000	SH	SOLE	87,000	0	0
MERSANA THERAPEUTICS INC	COM	59045L106	1,244	183,996	SH	SOLE	183,996	0	0
MERUS N V	COM	N5749R100	1,345	67,154	SH	SOLE	67,154	0	0
MESA LABS INC	COM	59064R109	1,747	12,402	SH	SOLE	12,402	0	0
META MATERIALS INC	COM	59134N104	460	708,400	SH	SOLE	708,400	0	0
META PLATFORMS INC	CL A	30303M102	1,348,606	9,939,610	SH	SOLE	9,939,610	0	0
METHANEX CORP	COM	59151K108	4,447	138,500	SH	SOLE	138,500	0	0
METHODE ELECTRS INC	COM	591520200	3,262	87,800	SH	SOLE	87,800	0	0
METLIFE INC	COM	59156R108	182,072	2,995,591	SH	SOLE	2,995,591	0	0
METROPOLITAN BK HLDG CORP	COM	591774104	1,500	23,300	SH	SOLE	23,300	0	0
METTLER TOLEDO INTERNATIONAL	COM	592688105	106,501	98,237	SH	SOLE	98,237	0	0
MFA FINL INC	COM	55272X607	1,701	218,675	SH	SOLE	218,675	0	0
MGE ENERGY INC	COM	55277P104	5,628	85,750	SH	SOLE	85,750	0	0
MGIC INVT CORP WIS	COM	552848103	9,412	734,200	SH	SOLE	734,200	0	0
MGM RESORTS INTERNATIONAL	COM	552953101	43,900	1,477,120	SH	SOLE	1,477,120	0	0
MGP INGREDIENTS INC NEW	COM	55303J106	3,312	31,200	SH	SOLE	31,200	0	0
MICROCHIP TECHNOLOGY INC.	COM	595017104	146,662	2,403,110	SH	SOLE	2,403,110	0	0
MICRON TECHNOLOGY INC	COM	595112103	242,452	4,839,364	SH	SOLE	4,839,364	0	0
MICROSOFT CORP	COM	594918104	7,171,376	30,791,655	SH	SOLE	30,791,655	0	0
MICROSTRATEGY INC	CL A NEW	594972408	4,691	22,100	SH	SOLE	22,100	0	0
MICROVAST HOLDINGS INC	COM	59516C106	512	283,100	SH	SOLE	283,100	0	0
MICROVISION INC DEL	COM NEW	594960304	1,414	391,800	SH	SOLE	391,800	0	0
MID-AMER APT CMNTYS INC	COM	59522J103	77,472	499,596	SH	SOLE	499,596	0	0
MIDDLEBY CORP	COM	596278101	15,701	122,500	SH	SOLE	122,500	0	0
MIDDLESEX WTR CO	COM	596680108	3,216	41,662	SH	SOLE	41,662	0	0
MIDLAND STATES BANCORP INC	COM	597742105	1,167	49,500	SH	SOLE	49,500	0	0
MIDWESTONE FINL GROUP INC NE	COM	598511103	963	35,300	SH	SOLE	35,300	0	0
MILLERKNOLL INC	COM	600544100	2,804	179,752	SH	SOLE	179,752	0	0
MIMEDX GROUP INC	COM	602496101	495	172,400	SH	SOLE	172,400	0	0
MIND MEDICINE MINDMED INC	COM NEW	60255C885	198	56,560	SH	SOLE	56,560	0	0
MINERALS TECHNOLOGIES INC	COM	603158106	3,859	78,100	SH	SOLE	78,100	0	0
MIRATI THERAPEUTICS INC	COM	60468T105	6,439	92,200	SH	SOLE	92,200	0	0
MIRION TECHNOLOGIES INC	COM CL A	60471A101	2,282	305,500	SH	SOLE	305,500	0	0
MIRUM PHARMACEUTICALS INC	COM	604749101	987	47,000	SH	SOLE	47,000	0	0
MISSION PRODUCE INC	COM	60510V108	1,443	99,800	SH	SOLE	99,800	0	0
MISTER CAR WASH INC	COM	60646V105	1,538	179,200	SH	SOLE	179,200	0	0
MITEK SYS INC	COM NEW	606710200	954	104,100	SH	SOLE	104,100	0	0
MKS INSTRS INC	COM	55306N104	11,710	141,700	SH	SOLE	141,700	0	0
MODEL N INC	COM	607525102	2,690	78,600	SH	SOLE	78,600	0	0

MODERNA INC	COM	60770K107	173,260	1,465,200	SH	SOLE	1,465,200	0	0
MODINE MFG CO	COM	607828100	1,425	110,100	SH	SOLE	110,100	0	0
MODIVCARE INC	COM	60783X104	2,990	30,000	SH	SOLE	30,000	0	0
MOELIS & CO	CL A	60786M105	5,197	153,700	SH	SOLE	153,700	0	0
MOHAWK INDS INC	COM	608190104	20,095	220,362	SH	SOLE	220,362	0	0
MOLINA HEALTHCARE INC	COM	60855R100	83,917	254,416	SH	SOLE	254,416	0	0
MOLSON COORS BEVERAGE CO	CL B	60871R209	37,512	781,673	SH	SOLE	781,673	0	0
MOMENTIVE GLOBAL INC	COM	60878Y108	1,751	301,300	SH	SOLE	301,300	0	0
MONARCH CASINO & RESORT INC	COM	609027107	1,887	33,611	SH	SOLE	33,611	0	0
MONDELEZ INTL INC	CL A	609207105	328,847	5,997,575	SH	SOLE	5,997,575	0	0
MONEYGRAM INTL INC	COM NEW	60935Y208	2,137	205,500	SH	SOLE	205,500	0	0
MONGODB INC	CL A	60937P106	58,545	294,850	SH	SOLE	294,850	0	0
MONOLITHIC PWR SYS INC	COM	609839105	69,805	192,089	SH	SOLE	192,089	0	0
MONRO INC	COM	610236101	3,448	79,342	SH	SOLE	79,342	0	0
MONSTER BEVERAGE CORP NEW	COM	61174X109	149,707	1,721,561	SH	SOLE	1,721,561	0	0
MONTAUK RENEWABLES INC	COM	61218C103	2,672	153,200	SH	SOLE	153,200	0	0
MONTE ROSA THERAPEUTICS INC	COM	61225M102	359	43,900	SH	SOLE	43,900	0	0
MONTROSE ENVIRONMENTAL GROUP	COM	615111101	1,894	56,300	SH	SOLE	56,300	0	0
MOOG INC	CL A	615394202	4,840	68,800	SH	SOLE	68,800	0	0
MORNINGSTAR INC	COM	617700109	12,909	60,800	SH	SOLE	60,800	0	0
MORPHIC HLDG INC	COM	61775R105	1,412	49,900	SH	SOLE	49,900	0	0
MOSAIC CO NEW	COM	61945C103	75,816	1,568,722	SH	SOLE	1,568,722	0	0
MOTOROLA SOLUTIONS INC	COM NEW	620076307	162,359	724,912	SH	SOLE	724,912	0	0
MOVADO GROUP INC	COM	624580106	1,071	38,000	SH	SOLE	38,000	0	0
MP MATERIALS CORP	COM CL A	553368101	5,171	189,400	SH	SOLE	189,400	0	0
MR COOPER GROUP INC	COM	62482R107	6,743	166,500	SH	SOLE	166,500	0	0
MRC GLOBAL INC	COM	55345K103	1,423	197,949	SH	SOLE	197,949	0	0
MSA SAFETY INC	COM	553498106	9,682	88,600	SH	SOLE	88,600	0	0
MSC INDL DIRECT INC	CL A	553530106	8,147	111,900	SH	SOLE	111,900	0	0
MUELLER INDS INC	COM	624756102	7,222	121,500	SH	SOLE	121,500	0	0
MUELLER WTR PRODS INC	COM SER A	624758108	3,825	372,400	SH	SOLE	372,400	0	0
MULTIPLAN CORPORATION	COM	62548M100	1,290	451,200	SH	SOLE	451,200	0	0
MURPHY OIL CORP	COM	626717102	12,310	350,000	SH	SOLE	350,000	0	0
MURPHY USA INC	COM	626755102	15,001	54,567	SH	SOLE	54,567	0	0
MYERS INDS INC	COM	628464109	1,201	72,900	SH	SOLE	72,900	0	0
MYOVANT SCIENCES LTD	COM	G637AM102	1,827	101,700	SH	SOLE	101,700	0	0
MYR GROUP INC DEL	COM	55405W104	3,415	40,300	SH	SOLE	40,300	0	0
MYRIAD GENETICS INC	COM	62855J104	3,635	190,500	SH	SOLE	190,500	0	0
N-ABLE INC	COMMON STOCK	62878D100	976	105,750	SH	SOLE	105,750	0	0
NABORS INDUSTRIES LTD	SHS	G6359F137	2,151	21,200	SH	SOLE	21,200	0	0
NANO DIMENSION LTD	SPONSORD ADS NEW	63008G203	1,470	615,100	SH	SOLE	615,100	0	0

NANO X IMAGING LTD	ORD SHS	M70700105	1,071	93,400	SH	SOLE	93,400	0	0
NANOSTRING TECHNOLOGIES INC	COM	63009R109	1,336	104,600	SH	SOLE	104,600	0	0
NAPCO SEC TECHNOLOGIES INC	COM	630402105	2,137	73,500	SH	SOLE	73,500	0	0
NATERA INC	COM	632307104	9,509	217,000	SH	SOLE	217,000	0	0
NATIONAL BEVERAGE CORP	COM	635017106	2,127	55,200	SH	SOLE	55,200	0	0
NATIONAL BK HLDGS CORP	CL A	633707104	2,637	71,300	SH	SOLE	71,300	0	0
NATIONAL FUEL GAS CO	COM	636180101	12,679	206,000	SH	SOLE	206,000	0	0
NATIONAL HEALTH INVS INC	COM	63633D104	6,146	108,720	SH	SOLE	108,720	0	0
NATIONAL HEALTHCARE CORP	COM	635906100	2,193	34,630	SH	SOLE	34,630	0	0
NATIONAL INSTRS CORP	COM	636518102	11,741	311,100	SH	SOLE	311,100	0	0
NATIONAL PRESTO INDS INC	COM	637215104	813	12,500	SH	SOLE	12,500	0	0
NATIONAL RESH CORP	COM NEW	637372202	1,429	35,900	SH	SOLE	35,900	0	0
NATIONAL RETAIL PROPERTIES I	COM	637417106	16,626	417,100	SH	SOLE	417,100	0	0
NATIONAL STORAGE AFFILIATES	COM SHS BEN IN	637870106	8,573	206,179	SH	SOLE	206,179	0	0
NATIONAL VISION HLDGS INC	COM	63845R107	6,305	193,100	SH	SOLE	193,100	0	0
NATIONAL WESTN LIFE GROUP IN	CL A	638517102	965	5,649	SH	SOLE	5,649	0	0
NAVIENT CORPORATION	COM	63938C108	5,152	350,700	SH	SOLE	350,700	0	0
NAVITAS SEMICONDUCTOR CORP	COM	63942X106	491	101,300	SH	SOLE	101,300	0	0
NAYAX LTD	SHS	M7S750159	461	19,469	SH	SOLE	19,469	0	0
NBT BANCORP INC	COM	628778102	3,856	101,600	SH	SOLE	101,600	0	0
NCINO INC	COM	63947X101	4,455	130,600	SH	SOLE	130,600	0	0
NCR CORP NEW	COM	62886E108	6,158	323,959	SH	SOLE	323,959	0	0
NEKTAR THERAPEUTICS	COM	640268108	1,413	441,700	SH	SOLE	441,700	0	0
NELNET INC	CL A	64031N108	2,787	35,200	SH	SOLE	35,200	0	0
NEOGEN CORP	COM	640491106	7,170	513,237	SH	SOLE	513,237	0	0
NEOGENOMICS INC	COM NEW	64049M209	2,419	281,000	SH	SOLE	281,000	0	0
NETAPP INC	COM	64110D104	59,555	962,892	SH	SOLE	962,892	0	0
NETFLIX INC	COM	64110L106	453,294	1,925,304	SH	SOLE	1,925,304	0	0
NETGEAR INC	COM	64111Q104	1,367	68,200	SH	SOLE	68,200	0	0
NETSCOUT SYS INC	COM	64115T104	5,504	175,728	SH	SOLE	175,728	0	0
NETSTREIT CORP	COM	64119V303	2,023	113,600	SH	SOLE	113,600	0	0
NEUROCRINE BIOSCIENCES INC	COM	64125C109	43,995	414,227	SH	SOLE	414,227	0	0
NEVRO CORP	COM	64157F103	3,700	79,400	SH	SOLE	79,400	0	0
NEW FORTRESS ENERGY INC	COM CL A	644393100	4,301	98,400	SH	SOLE	98,400	0	0
NEW GOLD INC CDA	COM	644535106	1,382	1,539,162	SH	SOLE	1,539,162	0	0
NEW JERSEY RES CORP	COM	646025106	8,824	228,000	SH	SOLE	228,000	0	0
NEW PAC METALS CORP	COM	64782A107	430	203,660	SH	SOLE	203,660	0	0
NEW RELIC INC	COM	64829B100	8,194	142,797	SH	SOLE	142,797	0	0
NEW YORK CMNTY BANCORP INC	COM	649445103	9,447	1,107,500	SH	SOLE	1,107,500	0	0
NEW YORK MTG TR INC	COM PAR \$.02	649604501	2,115	904,020	SH	SOLE	904,020	0	0
NEW YORK TIMES CO	CL A	650111107	11,365	395,300	SH	SOLE	395,300	0	0

NEWELL BRANDS INC	COM	651229106	23,646	1,702,353	SH	SOLE	1,702,353	0	0
NEWMARK GROUP INC	CL A	65158N102	3,122	387,307	SH	SOLE	387,307	0	0
NEWMARKET CORP	COM	651587107	5,475	18,200	SH	SOLE	18,200	0	0
NEWMONT CORP	COM	651639106	144,538	3,438,933	SH	SOLE	3,438,933	0	0
NEWS CORP NEW	CL A	65249B109	25,438	1,683,532	SH	SOLE	1,683,532	0	0
NEXGEN ENERGY LTD	COM	65340P106	3,567	973,600	SH	SOLE	973,600	0	0
NEXPOINT RESIDENTIAL TR INC	COM	65341D102	2,533	54,809	SH	SOLE	54,809	0	0
NEXSTAR MEDIA GROUP INC	COMMON STOCK	65336K103	15,994	95,860	SH	SOLE	95,860	0	0
NEXTDECADE CORP	COM	65342K105	716	119,000	SH	SOLE	119,000	0	0
NEXTDOOR HOLDINGS INC	COM CL A	65345M108	386	138,200	SH	SOLE	138,200	0	0
NEXTERA ENERGY INC	COM	65339F101	667,558	8,513,682	SH	SOLE	8,513,682	0	0
NEXTERA ENERGY PARTNERS LP	COM UNIT PART IN	65341B106	14,390	199,000	SH	SOLE	199,000	0	0
NEXTGEN HEALTHCARE INC	COM	65343C102	2,395	135,300	SH	SOLE	135,300	0	0
NEXTIER OILFIELD SOLUTIONS	COM	65290C105	3,426	462,933	SH	SOLE	462,933	0	0
NEXTNAV INC	COMMON STOCK	65345N106	214	79,600	SH	SOLE	79,600	0	0
NGM BIOPHARMACEUTICALS INC	COM	62921N105	861	65,800	SH	SOLE	65,800	0	0
NICOLET BANKSHARES INC	COM	65406E102	2,127	30,200	SH	SOLE	30,200	0	0
NIELSEN HLDGS PLC	SHS EUR	G6518L108	22,462	810,300	SH	SOLE	810,300	0	0
NIKE INC	CL B	654106103	457,010	5,498,193	SH	SOLE	5,498,193	0	0
NIKOLA CORP	COM	654110105	2,285	649,100	SH	SOLE	649,100	0	0
NIO INC	SPON ADS	62914V106	58,639	3,718,417	SH	SOLE	3,718,417	0	0
NISOURCE INC	COM	65473P105	44,210	1,755,055	SH	SOLE	1,755,055	0	0
NLIGHT INC	COM	65487K100	988	104,500	SH	SOLE	104,500	0	0
NMI HLDGS INC	CL A	629209305	3,949	193,874	SH	SOLE	193,874	0	0
NOBLE CORP NEW	ORD SHS A	G65431127	7,046	238,194	SH	SOLE	238,194	0	0
NORDSON CORP	COM	655663102	47,642	224,441	SH	SOLE	224,441	0	0
NORDSTROM INC	COM	655664100	4,427	264,600	SH	SOLE	264,600	0	0
NORFOLK SOUTHN CORP	COM	655844108	216,519	1,032,762	SH	SOLE	1,032,762	0	0
NORTHERN OIL AND GAS INC MN	COM	665531307	4,273	155,900	SH	SOLE	155,900	0	0
NORTHFIELD BANCORP INC DEL	COM	66611T108	1,494	104,400	SH	SOLE	104,400	0	0
NORTHROP GRUMMAN CORP	COM	666807102	300,979	639,945	SH	SOLE	639,945	0	0
NORTHWEST BANCSHARES INC MD	COM	667340103	3,856	285,400	SH	SOLE	285,400	0	0
NORTHWEST NAT HLDG CO	COM	66765N105	3,522	81,200	SH	SOLE	81,200	0	0
NORTHWESTERN CORP	COM NEW	668074305	6,327	128,383	SH	SOLE	128,383	0	0
NORTONLIFELOCK INC	COM	668771108	52,147	2,589,206	SH	SOLE	2,589,206	0	0
NORWEGIAN CRUISE LINE HLDG L	SHS	G66721104	11,290	993,800	SH	SOLE	993,800	0	0
NOV INC	COM	62955J103	15,070	931,400	SH	SOLE	931,400	0	0
NOVA LTD	COM	M7516K103	5,908	68,667	SH	SOLE	68,667	0	0
NOVAGOLD RES INC	COM NEW	66987E206	2,649	556,700	SH	SOLE	556,700	0	0
NOVANTA INC	COM	67000B104	9,796	84,700	SH	SOLE	84,700	0	0
NOVAVAX INC	COM NEW	670002401	3,372	185,300	SH	SOLE	185,300	0	0

NOVOCURE LTD	ORD SHS	G6674U108	30,928	407,048	SH	SOLE	407,048	0	0
NOW INC	COM	67011P100	2,627	261,400	SH	SOLE	261,400	0	0
NRG ENERGY INC	COM NEW	629377508	39,355	1,028,357	SH	SOLE	1,028,357	0	0
NU SKIN ENTERPRISES INC	CL A	67018T105	3,974	119,100	SH	SOLE	119,100	0	0
NUCOR CORP	COM	670346105	123,364	1,153,041	SH	SOLE	1,153,041	0	0
NURIX THERAPEUTICS INC	COM	67080M103	1,029	79,000	SH	SOLE	79,000	0	0
NUTANIX INC	CL A	67059N108	10,894	523,000	SH	SOLE	523,000	0	0
NUTRIEN LTD	COM	67077M108	208,471	2,479,752	SH	SOLE	2,479,752	0	0
NUVASIVE INC	COM	670704105	5,405	123,369	SH	SOLE	123,369	0	0
NUVATION BIO INC	COM CL A	67080N101	632	282,100	SH	SOLE	282,100	0	0
NUVEI CORPORATION	SUB VTG SHS	67079A102	8,017	294,300	SH	SOLE	294,300	0	0
NV5 GLOBAL INC	COM	62945V109	3,863	31,200	SH	SOLE	31,200	0	0
NVENT ELECTRIC PLC	SHS	G6700G107	12,470	394,487	SH	SOLE	394,487	0	0
NVIDIA CORPORATION	COM	67066G104	1,317,303	10,851,824	SH	SOLE	10,851,824	0	0
NVR INC	COM	62944T105	53,965	13,535	SH	SOLE	13,535	0	0
NXP SEMICONDUCTORS N V	COM	N6596X109	167,753	1,137,228	SH	SOLE	1,137,228	0	0
OAK STR HEALTH INC	COM	67181A107	6,307	257,200	SH	SOLE	257,200	0	0
OBSIDIAN ENERGY LTD	COM	674482203	1,207	166,600	SH	SOLE	166,600	0	0
OCCIDENTAL PETE CORP	COM	674599105	249,576	4,061,441	SH	SOLE	4,061,441	0	0
OCEANEERING INTL INC	COM	675232102	1,879	236,048	SH	SOLE	236,048	0	0
OCEANFIRST FINL CORP	COM	675234108	2,625	140,833	SH	SOLE	140,833	0	0
OCUGEN INC	COM	67577C105	904	507,600	SH	SOLE	507,600	0	0
OFFERPAD SOLUTIONS INC	COM CL A	67623L109	164	135,700	SH	SOLE	135,700	0	0
OFFICE PPTYS INCOME TR	COM SHS BEN INT	67623C109	1,608	114,433	SH	SOLE	114,433	0	0
OFG BANCORP	COM	67103X102	2,897	115,300	SH	SOLE	115,300	0	0
OGE ENERGY CORP	COM	670837103	17,308	474,700	SH	SOLE	474,700	0	0
O-I GLASS INC	COM	67098H104	4,797	370,424	SH	SOLE	370,424	0	0
OKTA INC	CL A	679295105	37,150	653,238	SH	SOLE	653,238	0	0
OLD DOMINION FREIGHT LINE IN	COM	679580100	103,872	417,544	SH	SOLE	417,544	0	0
OLD NATL BANCORP IND	COM	680033107	11,454	695,437	SH	SOLE	695,437	0	0
OLD REP INTL CORP	COM	680223104	14,536	694,500	SH	SOLE	694,500	0	0
OLD SECOND BANCORP INC ILL	COM	680277100	1,094	83,800	SH	SOLE	83,800	0	0
OLIN CORP	COM PAR \$1	680665205	14,666	342,032	SH	SOLE	342,032	0	0
OLLIES BARGAIN OUTLET HLDGS	COM	681116109	6,909	133,900	SH	SOLE	133,900	0	0
OLO INC	CL A	68134L109	1,537	194,500	SH	SOLE	194,500	0	0
OMEGA FLEX INC	COM	682095104	769	8,300	SH	SOLE	8,300	0	0
OMEGA HEALTHCARE INVS INC	COM	681936100	16,450	557,800	SH	SOLE	557,800	0	0
OMNICELL COM	COM	68213N109	9,112	104,700	SH	SOLE	104,700	0	0
OMNICOM GROUP INC	COM	681919106	56,254	891,646	SH	SOLE	891,646	0	0
ON SEMICONDUCTOR CORP	COM	682189105	117,374	1,883,101	SH	SOLE	1,883,101	0	0
ON24 INC	COM	68339B104	591	67,200	SH	SOLE	67,200	0	0
ONE GAS INC	COM	68235P108	9,032	128,313	SH	SOLE	128,313	0	0

ONE LIBERTY PPTYS INC	COM	682406103	831	39,552	SH	SOLE	39,552	0	0
ONEMAIN HLDGS INC	COM	68268W103	8,328	282,100	SH	SOLE	282,100	0	0
ONEOK INC NEW	COM	682680103	99,189	1,935,772	SH	SOLE	1,935,772	0	0
ONESPAN INC	COM	68287N100	651	75,600	SH	SOLE	75,600	0	0
ONESPAWORLD HOLDINGS LIMITED	COM	P73684113	1,332	158,600	SH	SOLE	158,600	0	0
ONTO INNOVATION INC	COM	683344105	7,529	117,541	SH	SOLE	117,541	0	0
OPEN LENDING CORP	COM CL A	68373J104	2,046	254,450	SH	SOLE	254,450	0	0
OPEN TEXT CORP	COM	683715106	32,386	1,215,500	SH	SOLE	1,215,500	0	0
OPENDOOR TECHNOLOGIES INC	COM	683712103	2,995	963,000	SH	SOLE	963,000	0	0
OPKO HEALTH INC	COM	68375N103	1,979	1,047,200	SH	SOLE	1,047,200	0	0
OPORTUN FINL CORP	COM	68376D104	198	45,300	SH	SOLE	45,300	0	0
OPTIMIZERX CORP	COM NEW	68401U204	560	37,800	SH	SOLE	37,800	0	0
OPTION CARE HEALTH INC	COM NEW	68404L201	10,750	341,600	SH	SOLE	341,600	0	0
ORACLE CORP	COM	68389X105	423,697	6,937,888	SH	SOLE	6,937,888	0	0
ORASURE TECHNOLOGIES INC	COM	68554V108	611	161,300	SH	SOLE	161,300	0	0
OREILLY AUTOMOTIVE INC	COM	67103H107	200,358	284,863	SH	SOLE	284,863	0	0
ORGANIGRAM HLDGS INC	COM	68620P101	558	626,900	SH	SOLE	626,900	0	0
ORGANOGENESIS HLDGS INC	COM	68621F102	442	136,400	SH	SOLE	136,400	0	0
ORGANON & CO	COMMON STOCK	68622V106	14,075	601,475	SH	SOLE	601,475	0	0
ORIGIN BANCORP INC	COM	68621T102	1,950	50,682	SH	SOLE	50,682	0	0
ORIGIN MATERIALS INC	COM	68622D106	1,298	251,500	SH	SOLE	251,500	0	0
ORION ENGINEERED CARBONS S A	COM	L72967109	1,914	143,400	SH	SOLE	143,400	0	0
ORION OFFICE REIT INC	COM	68629Y103	1,172	133,900	SH	SOLE	133,900	0	0
ORLA MNG LTD NEW	COM	68634K106	1,541	468,300	SH	SOLE	468,300	0	0
ORMAT TECHNOLOGIES INC	COM	686688102	9,166	106,334	SH	SOLE	106,334	0	0
ORTHOFIX MED INC	COM	68752M108	892	46,700	SH	SOLE	46,700	0	0
ORTHOPEDIATRICS CORP	COM	68752L100	1,550	33,600	SH	SOLE	33,600	0	0
OSCAR HEALTH INC	CL A	687793109	514	103,100	SH	SOLE	103,100	0	0
OSHKOSH CORP	COM	688239201	10,965	156,000	SH	SOLE	156,000	0	0
OSI SYSTEMS INC	COM	671044105	2,767	38,400	SH	SOLE	38,400	0	0
OSISKO GOLD ROYALTIES LTD	COM	68827L101	4,316	420,330	SH	SOLE	420,330	0	0
OTIS WORLDWIDE CORP	COM	68902V107	116,885	1,832,057	SH	SOLE	1,832,057	0	0
OTTER TAIL CORP	COM	689648103	5,463	88,800	SH	SOLE	88,800	0	0
OUSTER INC	COM	68989M103	157	162,800	SH	SOLE	162,800	0	0
OUTFRONT MEDIA INC	COM	69007J106	5,021	330,554	SH	SOLE	330,554	0	0
OUTSET MED INC	COM	690145107	1,534	96,300	SH	SOLE	96,300	0	0
OVERSTOCK COM INC DEL	COM	690370101	2,476	101,700	SH	SOLE	101,700	0	0
OVINTIV INC	COM	69047Q102	28,157	612,107	SH	SOLE	612,107	0	0
OWENS & MINOR INC NEW	COM	690732102	4,133	171,500	SH	SOLE	171,500	0	0
OWENS CORNING NEW	COM	690742101	33,073	420,728	SH	SOLE	420,728	0	0
OXFORD INDS INC	COM	691497309	3,304	36,800	SH	SOLE	36,800	0	0
PACCAR INC	COM	693718108	126,007	1,505,644	SH	SOLE	1,505,644	0	0

PACIFIC BIOSCIENCES CALIF IN	COM	69404D108	2,934	505,446	SH	SOLE	505,446	0	0
PACIFIC PREMIER BANCORP	COM	69478X105	6,971	225,157	SH	SOLE	225,157	0	0
PACIRA BIOSCIENCES INC	COM	695127100	5,729	107,700	SH	SOLE	107,700	0	0
PACKAGING CORP AMER	COM	695156109	45,501	405,211	SH	SOLE	405,211	0	0
PACTIV EVERGREEN INC	COM	69526K105	914	104,700	SH	SOLE	104,700	0	0
PACWEST BANCORP DEL	COM	695263103	6,293	278,473	SH	SOLE	278,473	0	0
PAGERDUTY INC	COM	69553P100	4,319	187,200	SH	SOLE	187,200	0	0
PALANTIR TECHNOLOGIES INC	CL A	69608A108	58,302	7,171,200	SH	SOLE	7,171,200	0	0
PALO ALTO NETWORKS INC	COM	697435105	212,167	1,295,358	SH	SOLE	1,295,358	0	0
PALOMAR HLDGS INC	COM	69753M105	5,015	59,900	SH	SOLE	59,900	0	0
PAN AMERN SILVER CORP	COM	697900108	15,143	944,900	SH	SOLE	944,900	0	0
PAPA JOHNS INTL INC	COM	698813102	5,643	80,600	SH	SOLE	80,600	0	0
PAR PAC HOLDINGS INC	COM NEW	69888T207	1,872	114,059	SH	SOLE	114,059	0	0
PAR TECHNOLOGY CORP	COM	698884103	1,896	64,200	SH	SOLE	64,200	0	0
PARAGON 28 INC	COM	69913P105	1,123	63,000	SH	SOLE	63,000	0	0
PARAMOUNT GLOBAL	CLASS B COM	92556H206	50,139	2,633,333	SH	SOLE	2,633,333	0	0
PARAMOUNT GROUP INC	COM	69924R108	2,581	414,243	SH	SOLE	414,243	0	0
PARK HOTELS & RESORTS INC	COM	700517105	6,231	553,397	SH	SOLE	553,397	0	0
PARK NATL CORP	COM	700658107	4,792	38,500	SH	SOLE	38,500	0	0
PARKER-HANNIFIN CORP	COM	701094104	134,842	556,485	SH	SOLE	556,485	0	0
PARSONS CORP DEL	COM	70202L102	3,375	86,100	SH	SOLE	86,100	0	0
PARTY CITY HOLDCO INC	COM	702149105	422	266,800	SH	SOLE	266,800	0	0
PATHWARD FINANCIAL INC	COM	59100U108	2,294	69,600	SH	SOLE	69,600	0	0
PATRICK INDS INC	COM	703343103	2,287	52,175	SH	SOLE	52,175	0	0
PATTERSON COS INC	COM	703395103	5,003	208,300	SH	SOLE	208,300	0	0
PATTERSON-UTI ENERGY INC	COM	703481101	5,991	512,900	SH	SOLE	512,900	0	0
PAYA HOLDINGS INC	COM CL A	70434P103	1,235	202,200	SH	SOLE	202,200	0	0
PAYCHEX INC	COM	704326107	157,994	1,408,023	SH	SOLE	1,408,023	0	0
PAYCOM SOFTWARE INC	COM	70432V102	73,165	221,720	SH	SOLE	221,720	0	0
PAYCOR HCM INC	COM	70435P102	2,436	82,400	SH	SOLE	82,400	0	0
PAYLOCITY HLDG CORP	COM	70438V106	22,117	91,550	SH	SOLE	91,550	0	0
PAYMENTUS HOLDINGS INC	COM CL A	70439P108	354	36,400	SH	SOLE	36,400	0	0
PAYONEER GLOBAL INC	COM	70451X104	2,959	489,100	SH	SOLE	489,100	0	0
PAYPAL HLDGS INC	COM	70450Y103	410,332	4,767,420	SH	SOLE	4,767,420	0	0
PBF ENERGY INC	CL A	69318G106	8,059	229,200	SH	SOLE	229,200	0	0
PC CONNECTION INC	COM	69318J100	1,258	27,900	SH	SOLE	27,900	0	0
PDC ENERGY INC	COM	69327R101	13,605	235,414	SH	SOLE	235,414	0	0
PDF SOLUTIONS INC	COM	693282105	1,734	70,700	SH	SOLE	70,700	0	0
PEAPACK-GLADSTONE FINL CORP	COM	704699107	1,312	39,000	SH	SOLE	39,000	0	0

PEBBLEBROOK HOTEL TR	COM	70509V100	4,507	310,612	SH	SOLE	310,612	0	0
PEDIATRIX MEDICAL GROUP INC	COM	58502B106	3,243	196,400	SH	SOLE	196,400	0	0
PEGASYSYSTEMS INC	COM	705573103	3,118	97,000	SH	SOLE	97,000	0	0
PELOTON INTERACTIVE INC	CL A COM	70614W100	4,799	692,500	SH	SOLE	692,500	0	0
PEMBINA PIPELINE CORP	COM	706327103	75,755	2,473,948	SH	SOLE	2,473,948	0	0
PENN ENTERTAINMENT INC	COM	707569109	10,883	395,584	SH	SOLE	395,584	0	0
PENNANT GROUP INC	COM	70805E109	666	64,000	SH	SOLE	64,000	0	0
PENNYMAC FINL SVCS INC NEW	COM	70932M107	4,706	109,700	SH	SOLE	109,700	0	0
PENNYMAC MTG INVT TR	COM	70931T103	2,568	218,000	SH	SOLE	218,000	0	0
PENSKE AUTOMOTIVE GRP INC	COM	70959W103	7,087	72,000	SH	SOLE	72,000	0	0
PENTAIR PLC	SHS	G7S00T104	29,065	715,358	SH	SOLE	715,358	0	0
PENUMBRA INC	COM	70975L107	16,097	84,900	SH	SOLE	84,900	0	0
PEOPLES BANCORP INC	COM	709789101	1,944	67,200	SH	SOLE	67,200	0	0
PEPSICO INC	COM	713448108	978,385	5,992,804	SH	SOLE	5,992,804	0	0
PERDOCEO ED CORP	COM	71363P106	1,680	163,100	SH	SOLE	163,100	0	0
PERELLA WEINBERG PARTNERS	CLASS A COM	71367G102	694	109,700	SH	SOLE	109,700	0	0
PERFICIENT INC	COM	71375U101	5,345	82,200	SH	SOLE	82,200	0	0
PERFORMANCE FOOD GROUP CO	COM	71377A103	15,787	367,560	SH	SOLE	367,560	0	0
PERIMETER SOLUTIONS SA	COMMON STOCK	L7579L106	2,791	348,400	SH	SOLE	348,400	0	0
PERION NETWORK LTD	SHS NEW	M78673114	1,820	94,306	SH	SOLE	94,306	0	0
PERKINELMER INC	COM	714046109	65,775	546,625	SH	SOLE	546,625	0	0
PERMIAN RESOURCES CORP	CLASS A COM	71424F105	3,217	473,100	SH	SOLE	473,100	0	0
PERRIGO CO PLC	SHS	G97822103	11,379	319,100	SH	SOLE	319,100	0	0
PETCO HEALTH & WELLNESS CO I	COM	71601V105	2,408	215,800	SH	SOLE	215,800	0	0
PETIQ INC	COM CL A	71639T106	426	61,700	SH	SOLE	61,700	0	0
PETMED EXPRESS INC	COM	716382106	917	47,000	SH	SOLE	47,000	0	0
PFIZER INC	COM	717081103	1,064,079	24,316,241	SH	SOLE	24,316,241	0	0
PG&E CORP	COM	69331C108	80,750	6,459,973	SH	SOLE	6,459,973	0	0
PGT INNOVATIONS INC	COM	69336V101	2,978	142,100	SH	SOLE	142,100	0	0
PHATHOM PHARMACEUTICALS INC	COM	71722W107	460	41,500	SH	SOLE	41,500	0	0
PHIBRO ANIMAL HEALTH CORP	CL A COM	71742Q106	639	48,100	SH	SOLE	48,100	0	0
PHILIP MORRIS INTL INC	COM	718172109	557,655	6,717,922	SH	SOLE	6,717,922	0	0
PHILLIPS 66	COM	718546104	168,299	2,084,967	SH	SOLE	2,084,967	0	0
PHILLIPS EDISON & CO INC	COMMON STOCK	71844V201	7,576	270,100	SH	SOLE	270,100	0	0
PHOTRONICS INC	COM	719405102	2,140	146,400	SH	SOLE	146,400	0	0
PHREESIA INC	COM	71944F106	2,994	117,500	SH	SOLE	117,500	0	0
PHYSICIANS RLTY TR	COM	71943U104	8,034	534,206	SH	SOLE	534,206	0	0
PIEDMONT LITHIUM INC	COM	72016P105	2,273	42,500	SH	SOLE	42,500	0	0
PIEDMONT OFFICE REALTY TR IN	COM CL A	720190206	3,089	292,500	SH	SOLE	292,500	0	0
PILGRIMS PRIDE CORP	COM	72147K108	2,624	114,000	SH	SOLE	114,000	0	0

PINDUODUO INC	SPONSORED ADS	722304102	85,684	1,369,195	SH	SOLE	1,369,195	0	0
PING IDENTITY HLDG CORP	COM	72341T103	4,825	171,900	SH	SOLE	171,900	0	0
PINNACLE FINL PARTNERS INC	COM	72346Q104	14,692	181,161	SH	SOLE	181,161	0	0
PINNACLE WEST CAP CORP	COM	723484101	17,289	268,000	SH	SOLE	268,000	0	0
PINTEREST INC	CL A	72352L106	58,029	2,490,508	SH	SOLE	2,490,508	0	0
PIONEER NAT RES CO	COM	723787107	215,698	996,158	SH	SOLE	996,158	0	0
PIPER SANDLER COMPANIES	COM	724078100	4,420	42,200	SH	SOLE	42,200	0	0
PITNEY BOWES INC	COM	724479100	960	411,900	SH	SOLE	411,900	0	0
PJT PARTNERS INC	COM CL A	69343T107	3,711	55,535	SH	SOLE	55,535	0	0
PLAINS GP HLDGS L P	LTD PARTNR INT A	72651A207	5,024	460,534	SH	SOLE	460,534	0	0
PLANET FITNESS INC	CL A	72703H101	11,612	201,385	SH	SOLE	201,385	0	0
PLANET LABS PBC	COM CL A	72703X106	2,051	377,700	SH	SOLE	377,700	0	0
PLAYA HOTELS & RESORTS NV	SHS	N70544106	1,830	314,500	SH	SOLE	314,500	0	0
PLAYSTUDIOS INC	CLASS A COM	72815G108	680	194,900	SH	SOLE	194,900	0	0
PLBY GROUP INC	COM	72814P109	240	59,500	SH	SOLE	59,500	0	0
PLEXUS CORP	COM	729132100	5,753	65,700	SH	SOLE	65,700	0	0
PLUG POWER INC	COM NEW	72919P202	47,372	2,254,744	SH	SOLE	2,254,744	0	0
PLYMOUTH INDL REIT INC	COM	729640102	1,599	95,100	SH	SOLE	95,100	0	0
PMV PHARMACEUTICALS INC	COM	69353Y103	574	48,200	SH	SOLE	48,200	0	0
PNM RES INC	COM	69349H107	8,844	193,400	SH	SOLE	193,400	0	0
POINT BIOPHARMA GLOBAL INC	COM	730541109	1,232	159,366	SH	SOLE	159,366	0	0
POLARIS INC	COM	731068102	12,817	134,000	SH	SOLE	134,000	0	0
POOL CORP	COM	73278L105	55,199	173,468	SH	SOLE	173,468	0	0
POPULAR INC	COM NEW	733174700	13,086	181,600	SH	SOLE	181,600	0	0
PORCH GROUP INC	COM	733245104	443	197,100	SH	SOLE	197,100	0	0
PORTILLOS INC	COM CL A	73642K106	1,355	68,800	SH	SOLE	68,800	0	0
PORTLAND GEN ELEC CO	COM NEW	736508847	9,196	211,600	SH	SOLE	211,600	0	0
POSHMARK INC	COM CL A	73739W104	597	38,100	SH	SOLE	38,100	0	0
POST HLDGS INC	COM	737446104	10,616	129,600	SH	SOLE	129,600	0	0
POTLATCHDELTIC CORPORATION	COM	737630103	7,843	191,114	SH	SOLE	191,114	0	0
POWER INTEGRATIONS INC	COM	739276103	8,895	138,300	SH	SOLE	138,300	0	0
POWERSCHOOL HOLDINGS INC	COM CL A	73939C106	1,869	112,000	SH	SOLE	112,000	0	0
PPG INDS INC	COM	693506107	113,267	1,023,281	SH	SOLE	1,023,281	0	0
PPL CORP	COM	69351T106	80,759	3,185,750	SH	SOLE	3,185,750	0	0
PRA GROUP INC	COM	69354N106	3,102	94,400	SH	SOLE	94,400	0	0
PRAXIS PRECISION MEDICINES I	COM	74006W108	195	85,800	SH	SOLE	85,800	0	0
PRECIGEN INC	COM	74017N105	517	243,700	SH	SOLE	243,700	0	0
PRECISION DRILLING CORP	COM NEW	74022D407	1,653	32,400	SH	SOLE	32,400	0	0
PREFERRED BK LOS ANGELES CA	COM NEW	740367404	2,289	35,089	SH	SOLE	35,089	0	0

PREMIER FINANCIAL CORP	COM	74052F108	2,167	84,315	SH	SOLE	84,315	0	0
PREMIER INC	CL A	74051N102	9,497	279,812	SH	SOLE	279,812	0	0
PRESTIGE CONSMR HEALTHCARE I	COM	74112D101	5,940	119,200	SH	SOLE	119,200	0	0
PRICESMART INC	COM	741511109	3,363	58,400	SH	SOLE	58,400	0	0
PRIMERICA INC	COM	74164M108	11,259	91,200	SH	SOLE	91,200	0	0
PRIMO WATER CORPORATION	COM	74167P108	4,855	384,148	SH	SOLE	384,148	0	0
PRIMORIS SVCS CORP	COM	74164F103	2,067	127,200	SH	SOLE	127,200	0	0
PRINCIPAL FINANCIAL GROUP IN	COM	74251V102	79,005	1,095,016	SH	SOLE	1,095,016	0	0
PRIVIA HEALTH GROUP INC	COM	74276R102	6,141	180,300	SH	SOLE	180,300	0	0
PROASSURANCE CORP	COM	74267C106	2,489	127,600	SH	SOLE	127,600	0	0
PROCEPT BIOROBOTICS CORP	COM	74276L105	1,074	25,900	SH	SOLE	25,900	0	0
PROCORE TECHNOLOGIES INC	COM	74275K108	3,182	64,300	SH	SOLE	64,300	0	0
PROCTER AND GAMBLE CO	COM	742718109	1,312,744	10,397,973	SH	SOLE	10,397,973	0	0
PROG HOLDINGS INC	COM NPV	74319R101	1,920	128,200	SH	SOLE	128,200	0	0
PROGRESS SOFTWARE CORP	COM	743312100	4,429	104,100	SH	SOLE	104,100	0	0
PROGRESSIVE CORP	COM	743315103	294,549	2,534,631	SH	SOLE	2,534,631	0	0
PROGYNY INC	COM	74340E103	6,463	174,400	SH	SOLE	174,400	0	0
PROLOGIS INC.	COM	74340W103	406,339	3,999,398	SH	SOLE	3,999,398	0	0
PROMETHEUS BIOSCIENCES INC	COM	74349U108	1,357	23,000	SH	SOLE	23,000	0	0
PROPETRO HLDG CORP	COM	74347M108	1,492	185,400	SH	SOLE	185,400	0	0
PROS HOLDINGS INC	COM	74346Y103	2,381	96,400	SH	SOLE	96,400	0	0
PROSPERITY BANCSHARES INC	COM	743606105	14,574	218,567	SH	SOLE	218,567	0	0
PROTAGONIST THERAPEUTICS INC	COM	74366E102	729	86,500	SH	SOLE	86,500	0	0
PROTERRA INC	COM	74374T109	2,107	423,000	SH	SOLE	423,000	0	0
PROTHENA CORP PLC	SHS	G72800108	4,681	77,200	SH	SOLE	77,200	0	0
PROTO LABS INC	COM	743713109	2,375	65,200	SH	SOLE	65,200	0	0
PROVENTION BIO INC	COM	74374N102	571	126,900	SH	SOLE	126,900	0	0
PROVIDENT FINL SVCS INC	COM	74386T105	3,315	170,000	SH	SOLE	170,000	0	0
PRUDENTIAL FINL INC	COM	744320102	139,412	1,625,223	SH	SOLE	1,625,223	0	0
PTC INC	COM	69370C100	50,311	480,981	SH	SOLE	480,981	0	0
PTC THERAPEUTICS INC	COM	69366J200	7,644	152,265	SH	SOLE	152,265	0	0
PUBLIC STORAGE	COM	74460D109	200,483	684,688	SH	SOLE	684,688	0	0
PUBLIC SVC ENTERPRISE GRP IN	COM	744573106	121,646	2,163,366	SH	SOLE	2,163,366	0	0
PUBMATIC INC	COM CL A	74467Q103	1,580	95,000	SH	SOLE	95,000	0	0
PULMONX CORP	COM	745848101	1,100	66,000	SH	SOLE	66,000	0	0
PULTE GROUP INC	COM	745867101	38,615	1,029,722	SH	SOLE	1,029,722	0	0
PURE STORAGE INC	CL A	74624M102	18,404	672,400	SH	SOLE	672,400	0	0
PURECYCLE TECHNOLOGIES INC	COM	74623V103	1,562	193,500	SH	SOLE	193,500	0	0
PURPLE INNOVATION INC	COM	74640Y106	499	123,300	SH	SOLE	123,300	0	0
PVH CORPORATION	COM	693656100	7,172	160,100	SH	SOLE	160,100	0	0
PYROGENESIS CDA INC	COM	74734T104	224	203,200	SH	SOLE	203,200	0	0

Q2 HLDGS INC	COM	74736L109	4,366	135,600	SH	SOLE	135,600	0	0
QCR HOLDINGS INC	COM	74727A104	2,024	39,739	SH	SOLE	39,739	0	0
QIAGEN NV	SHS NEW	N72482123	41,523	988,546	SH	SOLE	988,546	0	0
QORVO INC	COM	74736K101	36,488	459,489	SH	SOLE	459,489	0	0
QUAKER HOUGHTON	COM	747316107	4,288	29,700	SH	SOLE	29,700	0	0
QUALCOMM INC	COM	747525103	548,362	4,853,622	SH	SOLE	4,853,622	0	0
QUALYS INC	COM	74758T303	11,555	82,900	SH	SOLE	82,900	0	0
QUANEX BLDG PRODS CORP	COM	747619104	1,440	79,300	SH	SOLE	79,300	0	0
QUANTA SVCS INC	COM	74762E102	79,356	622,935	SH	SOLE	622,935	0	0
QUANTERIX CORP	COM	74766Q101	904	82,000	SH	SOLE	82,000	0	0
QUANTUM SI INC	COM CL A	74765K105	535	194,500	SH	SOLE	194,500	0	0
QUEST DIAGNOSTICS INC	COM	74834L100	62,404	508,635	SH	SOLE	508,635	0	0
QUIDELORTHO CORP	COM	219798105	8,495	118,840	SH	SOLE	118,840	0	0
QUINSTREET INC	COM	74874Q100	1,297	123,500	SH	SOLE	123,500	0	0
QUOTIENT TECHNOLOGY INC	COM	749119103	462	200,200	SH	SOLE	200,200	0	0
QURATE RETAIL INC	COM SER A	74915M100	1,692	841,700	SH	SOLE	841,700	0	0
R1 RCM INC	COM	77634L105	6,145	331,600	SH	SOLE	331,600	0	0
RACKSPACE TECHNOLOGY INC	COM	750102105	505	123,700	SH	SOLE	123,700	0	0
RADA ELECTR INDS LTD	COM PAR NEW	M81863124	965	100,200	SH	SOLE	100,200	0	0
RADIAN GROUP INC	COM	750236101	7,904	409,750	SH	SOLE	409,750	0	0
RADIUS GLOBAL INFRASTRCTRE I	COM CL A	750481103	1,761	186,900	SH	SOLE	186,900	0	0
RADNET INC	COM	750491102	2,442	120,000	SH	SOLE	120,000	0	0
RADWARE LTD	ORD	M81873107	2,122	97,400	SH	SOLE	97,400	0	0
RALPH LAUREN CORP	CL A	751212101	9,104	107,200	SH	SOLE	107,200	0	0
RAMACO RES INC	COM	75134P303	479	52,100	SH	SOLE	52,100	0	0
RAMBUS INC DEL	COM	750917106	6,645	261,400	SH	SOLE	261,400	0	0
RANGE RES CORP	COM	75281A109	16,161	639,800	SH	SOLE	639,800	0	0
RANGER OIL CORPORATION	CLASS A COM	70788V102	1,579	50,200	SH	SOLE	50,200	0	0
RANPAK HOLDINGS CORP	COM CL A	75321W103	348	101,700	SH	SOLE	101,700	0	0
RAPID7 INC	COM	753422104	5,929	138,200	SH	SOLE	138,200	0	0
RAPT THERAPEUTICS INC	COM	75382E109	1,352	56,200	SH	SOLE	56,200	0	0
RAYONIER INC	COM	754907103	10,397	346,900	SH	SOLE	346,900	0	0
RAYTHEON TECHNOLOGIES CORP	COM	75513E101	527,622	6,445,414	SH	SOLE	6,445,414	0	0
RBC BEARINGS INC	COM	75524B104	14,233	68,490	SH	SOLE	68,490	0	0
RCI HOSPITALITY HLDGS INC	COM	74934Q108	1,241	19,000	SH	SOLE	19,000	0	0
RE MAX HLDGS INC	CL A	75524W108	864	45,700	SH	SOLE	45,700	0	0
READY CAPITAL CORP	COM	75574U101	1,719	169,545	SH	SOLE	169,545	0	0
REALTY INCOME CORP	COM	756109104	151,735	2,607,122	SH	SOLE	2,607,122	0	0
REATA PHARMACEUTICALS INC	CL A	75615P103	1,591	63,300	SH	SOLE	63,300	0	0
RECURSION PHARMACEUTICALS IN	CL A	75629V104	1,240	116,500	SH	SOLE	116,500	0	0
RED ROCK RESORTS INC	CL A	75700L108	4,495	131,200	SH	SOLE	131,200	0	0
REDFIN CORP	COM	75737F108	1,336	228,700	SH	SOLE	228,700	0	0

REDWOOD TR INC	COM	758075402	1,638	285,300	SH	SOLE	285,300	0	0
REGAL REXNORD CORPORATION	COM	758750103	22,306	158,917	SH	SOLE	158,917	0	0
REGENCY CTRS CORP	COM	758849103	36,200	672,229	SH	SOLE	672,229	0	0
REGENERON PHARMACEUTICALS	COM	75886F107	322,510	468,172	SH	SOLE	468,172	0	0
REGENXBIO INC	COM	75901B107	2,297	86,900	SH	SOLE	86,900	0	0
REINSURANCE GRP OF AMERICA I	COM NEW	759351604	19,991	158,900	SH	SOLE	158,900	0	0
RELAY THERAPEUTICS INC	COM	75943R102	4,136	184,900	SH	SOLE	184,900	0	0
RELIANCE STEEL & ALUMINUM CO	COM	759509102	25,621	146,900	SH	SOLE	146,900	0	0
RELMADA THERAPEUTICS INC	COM	75955J402	1,973	53,300	SH	SOLE	53,300	0	0
REMITLY GLOBAL INC	COM	75960P104	2,176	195,700	SH	SOLE	195,700	0	0
RENAISSANCERE HLDGS LTD	COM	G7496G103	14,713	104,800	SH	SOLE	104,800	0	0
RENASANT CORP	COM	75970E107	4,148	132,600	SH	SOLE	132,600	0	0
RENT A CTR INC NEW	COM	76009N100	2,332	133,200	SH	SOLE	133,200	0	0
REPARE THERAPEUTICS INC	COM	760273102	537	44,300	SH	SOLE	44,300	0	0
REPAY HLDGS CORP	COM CL A	76029L100	1,376	194,883	SH	SOLE	194,883	0	0
REPLIGEN CORP	COM	759916109	23,370	124,900	SH	SOLE	124,900	0	0
REPLIMUNE GROUP INC	COM	76029N106	1,005	58,200	SH	SOLE	58,200	0	0
REPUBLIC BANCORP INC KY	CL A	760281204	885	23,100	SH	SOLE	23,100	0	0
REPUBLIC SVCS INC	COM	760759100	130,379	958,385	SH	SOLE	958,385	0	0
RESIDEO TECHNOLOGIES INC	COM	76118Y104	6,572	344,800	SH	SOLE	344,800	0	0
RESMED INC	COM	761152107	138,300	633,531	SH	SOLE	633,531	0	0
RESOLUTE FST PRODS INC	COM	76117W109	2,223	110,300	SH	SOLE	110,300	0	0
RESOURCES CONNECTION INC	COM	76122Q105	1,348	74,600	SH	SOLE	74,600	0	0
RESTAURANT BRANDS INTL INC	COM	76131D103	70,754	1,319,461	SH	SOLE	1,319,461	0	0
RETAIL OPPORTUNITY INVTS COR	COM	76131N101	4,052	294,500	SH	SOLE	294,500	0	0
REV GROUP INC	COM	749527107	907	82,200	SH	SOLE	82,200	0	0
REVANCE THERAPEUTICS INC	COM	761330109	5,172	191,550	SH	SOLE	191,550	0	0
REVOLUTION MEDICINES INC	COM	76155X100	2,806	142,300	SH	SOLE	142,300	0	0
REVOLVE GROUP INC	CL A	76156B107	2,093	96,500	SH	SOLE	96,500	0	0
REX AMERICAN RES CORP	COM	761624105	1,064	38,100	SH	SOLE	38,100	0	0
REXFORD INDL RLTY INC	COM	76169C100	20,348	391,316	SH	SOLE	391,316	0	0
REYNOLDS CONSUMER PRODS INC	COM	76171L106	3,870	148,800	SH	SOLE	148,800	0	0
RH	COM	74967X103	11,523	46,830	SH	SOLE	46,830	0	0
RHYTHM PHARMACEUTICALS INC	COM	76243J105	2,195	89,600	SH	SOLE	89,600	0	0
RIBBON COMMUNICATIONS INC	COM	762544104	389	175,074	SH	SOLE	175,074	0	0
RIGEL PHARMACEUTICALS INC	COM NEW	766559603	477	404,379	SH	SOLE	404,379	0	0
RIMINI STR INC DEL	COM	76674Q107	573	122,900	SH	SOLE	122,900	0	0

RINGCENTRAL INC	CL A	76680R206	13,856	346,745	SH	SOLE	346,745	0	0
RIOT BLOCKCHAIN INC	COM	767292105	2,111	301,200	SH	SOLE	301,200	0	0
RITCHIE BROS AUCTIONEERS	COM	767744105	31,336	497,500	SH	SOLE	497,500	0	0
RITE AID CORP	COM	767754872	653	131,890	SH	SOLE	131,890	0	0
RITHM CAPITAL CORP	COM NEW	64828T201	8,103	1,106,905	SH	SOLE	1,106,905	0	0
RIVIAN AUTOMOTIVE INC	COM CL A	76954A103	44,567	1,354,200	SH	SOLE	1,354,200	0	0
RLI CORP	COM	749607107	9,900	96,700	SH	SOLE	96,700	0	0
RLJ LODGING TR	COM	74965L101	4,004	395,658	SH	SOLE	395,658	0	0
RLX TECHNOLOGY INC	SPONSORED ADS	74969N103	1,242	1,182,989	SH	SOLE	1,182,989	0	0
RMR GROUP INC	CL A	74967R106	867	36,592	SH	SOLE	36,592	0	0
ROBERT HALF INTL INC	COM	770323103	36,678	479,452	SH	SOLE	479,452	0	0
ROBLOX CORP	CL A	771049103	54,706	1,526,400	SH	SOLE	1,526,400	0	0
ROCKET COS INC	COM CL A	77311W101	1,777	281,100	SH	SOLE	281,100	0	0
ROCKET LAB USA INC	COM	773122106	1,337	328,400	SH	SOLE	328,400	0	0
ROCKET PHARMACEUTICALS INC	COM	77313F106	1,620	101,500	SH	SOLE	101,500	0	0
ROCKLEY PHOTONICS HLDGS LTD	ORDINARY SHARES	G7614L109	151	212,300	SH	SOLE	212,300	0	0
ROCKWELL AUTOMATION INC	COM	773903109	108,266	503,305	SH	SOLE	503,305	0	0
ROGERS COMMUNICATIONS INC	CL B	775109200	61,896	1,594,000	SH	SOLE	1,594,000	0	0
ROGERS CORP	COM	775133101	10,788	44,600	SH	SOLE	44,600	0	0
ROIVANT SCIENCES LTD	SHS	G76279101	2,100	652,046	SH	SOLE	652,046	0	0
ROKU INC	COM CL A	77543R102	29,291	519,348	SH	SOLE	519,348	0	0
ROLLINS INC	COM	775711104	33,199	957,282	SH	SOLE	957,282	0	0
ROOT INC	CL A NEW	77664L207	88	11,122	SH	SOLE	11,122	0	0
ROPER TECHNOLOGIES INC	COM	776696106	165,067	458,978	SH	SOLE	458,978	0	0
ROSS STORES INC	COM	778296103	128,324	1,522,773	SH	SOLE	1,522,773	0	0
ROVER GROUP INC	COM CL A	77936F103	567	169,900	SH	SOLE	169,900	0	0
ROYAL CARIBBEAN GROUP	COM	V7780T103	37,573	991,369	SH	SOLE	991,369	0	0
ROYAL GOLD INC	COM	780287108	14,598	155,600	SH	SOLE	155,600	0	0
ROYALTY PHARMA PLC	SHS CLASS A	G7709Q104	60,640	1,509,210	SH	SOLE	1,509,210	0	0
RPC INC	COM	749660106	1,233	177,900	SH	SOLE	177,900	0	0
RPM INTL INC	COM	749685103	46,718	560,768	SH	SOLE	560,768	0	0
RPT REALTY	SH BEN INT	74971D101	1,526	201,800	SH	SOLE	201,800	0	0
RUSH ENTERPRISES INC	CL A	781846209	4,465	101,800	SH	SOLE	101,800	0	0
RUSH ENTERPRISES INC	CL B	781846308	632	13,200	SH	SOLE	13,200	0	0
RUSH STREET INTERACTIVE INC	COM	782011100	502	136,500	SH	SOLE	136,500	0	0
RUTHS HOSPITALITY GROUP INC	COM	783332109	1,303	77,300	SH	SOLE	77,300	0	0
RYAN SPECIALTY HOLDINGS INC	CL A	78351F107	7,970	196,200	SH	SOLE	196,200	0	0
RYDER SYS INC	COM	783549108	9,152	121,238	SH	SOLE	121,238	0	0
RYERSON HLDG CORP	COM	783754104	1,053	40,900	SH	SOLE	40,900	0	0
RYMAN HOSPITALITY PPTYS INC	COM	78377T107	9,140	124,200	SH	SOLE	124,200	0	0
S & T BANCORP INC	COM	783859101	2,726	93,000	SH	SOLE	93,000	0	0

SABRA HEALTH CARE REIT INC	COM	78573L106	7,185	547,641	SH	SOLE	547,641	0	0
SABRE CORP	COM	78573M104	3,787	735,300	SH	SOLE	735,300	0	0
SAFEHOLD INC	COM	78645L100	1,167	44,100	SH	SOLE	44,100	0	0
SAFETY INS GROUP INC	COM	78648T100	2,855	35,000	SH	SOLE	35,000	0	0
SAGE THERAPEUTICS INC	COM	78667J108	4,938	126,100	SH	SOLE	126,100	0	0
SAIA INC	COM	78709Y105	11,894	62,600	SH	SOLE	62,600	0	0
SALESFORCE INC	COM	79466L302	619,566	4,307,331	SH	SOLE	4,307,331	0	0
SALLY BEAUTY HLDGS INC	COM	79546E104	3,197	253,700	SH	SOLE	253,700	0	0
SAMSARA INC	COM CL A	79589L106	2,072	171,700	SH	SOLE	171,700	0	0
SANA BIOTECHNOLOGY INC	COM	799566104	1,201	200,200	SH	SOLE	200,200	0	0
SANDRIDGE ENERGY INC	COM NEW	80007P869	1,199	73,500	SH	SOLE	73,500	0	0
SANDSTORM GOLD LTD	COM NEW	80013R206	2,620	502,162	SH	SOLE	502,162	0	0
SANDY SPRING BANCORP INC	COM	800363103	3,781	107,235	SH	SOLE	107,235	0	0
SANFILIPPO JOHN B & SON INC	COM	800422107	1,604	21,176	SH	SOLE	21,176	0	0
SANGAMO THERAPEUTICS INC	COM	800677106	1,435	292,760	SH	SOLE	292,760	0	0
SANMINA CORPORATION	COM	801056102	6,649	144,300	SH	SOLE	144,300	0	0
SAPIENS INTL CORP N V	SHS	G7T16G103	1,541	78,742	SH	SOLE	78,742	0	0
SARCOS TECHN AND ROBOTICS CO	COM	80359A106	365	164,200	SH	SOLE	164,200	0	0
SAREPTA THERAPEUTICS INC	COM	803607100	21,787	197,100	SH	SOLE	197,100	0	0
SAUL CTRS INC	COM	804395101	1,263	33,683	SH	SOLE	33,683	0	0
SBA COMMUNICATIONS CORP NEW	CL A	78410G104	133,042	467,387	SH	SOLE	467,387	0	0
SCANSOURCE INC	COM	806037107	1,595	60,400	SH	SOLE	60,400	0	0
SCHLUMBERGER LTD	COM STK	806857108	219,908	6,125,569	SH	SOLE	6,125,569	0	0
SCHNEIDER NATIONAL INC	CL B	80689H102	2,741	135,000	SH	SOLE	135,000	0	0
SCHNITZER STEEL INDS INC	CL A	806882106	1,747	61,400	SH	SOLE	61,400	0	0
SCHOLAR ROCK HLDG CORP	COM	80706P103	636	91,800	SH	SOLE	91,800	0	0
SCHOLASTIC CORP	COM	807066105	2,144	69,700	SH	SOLE	69,700	0	0
SCHRODINGER INC	COM	80810D103	3,487	139,600	SH	SOLE	139,600	0	0
SCIENCE APPLICATIONS INTL CO	COM	808625107	11,701	132,315	SH	SOLE	132,315	0	0
SCOTTS MIRACLE-GRO CO	CL A	810186106	4,211	98,500	SH	SOLE	98,500	0	0
SCRIPPS E W CO OHIO	CL A NEW	811054402	1,430	126,916	SH	SOLE	126,916	0	0
SEA LTD	SPONSORD ADS	81141R100	85,465	1,524,800	SH	SOLE	1,524,800	0	0
SEABOARD CORP DEL	COM	811543107	2,338	687	SH	SOLE	687	0	0
SEABRIDGE GOLD INC	COM	811916105	1,838	153,300	SH	SOLE	153,300	0	0
SEACOAST BKG CORP FLA	COM NEW	811707801	4,401	145,600	SH	SOLE	145,600	0	0
SEAGATE TECHNOLOGY HLDNGS PL	ORD SHS	G7997R103	47,085	884,553	SH	SOLE	884,553	0	0
SEAGEN INC	COM	81181C104	81,864	598,292	SH	SOLE	598,292	0	0
SEALED AIR CORP NEW	COM	81211K100	28,194	633,439	SH	SOLE	633,439	0	0
SEAWORLD ENTMT INC	COM	81282V100	5,097	112,000	SH	SOLE	112,000	0	0

SEER INC	COM CL A	81578P106	697	90,000	SH	SOLE	90,000	0	0
SELECT ENERGY SVCS INC	CL A COM	81617J301	1,053	151,100	SH	SOLE	151,100	0	0
SELECT MED HLDGS CORP	COM	81619Q105	5,819	263,300	SH	SOLE	263,300	0	0
SELECTIVE INS GROUP INC	COM	816300107	11,648	143,100	SH	SOLE	143,100	0	0
SELECTQUOTE INC	COM	816307300	226	309,100	SH	SOLE	309,100	0	0
SEMA4 HOLDINGS CORP	COM CL A	81663L101	236	268,400	SH	SOLE	268,400	0	0
SEMPRA	COM	816851109	204,232	1,362,089	SH	SOLE	1,362,089	0	0
SEMRUSH HLDGS INC	CL A COM	81686C104	1,020	91,000	SH	SOLE	91,000	0	0
SEMTECH CORP	COM	816850101	4,426	150,500	SH	SOLE	150,500	0	0
SENSATA TECHNOLOGIES HLDG PL	SHS	G8060N102	25,354	680,104	SH	SOLE	680,104	0	0
SENSEONICS HLDGS INC	COM	81727U105	1,160	878,800	SH	SOLE	878,800	0	0
SENSIENT TECHNOLOGIES CORP	COM	81725T100	6,913	99,700	SH	SOLE	99,700	0	0
SERES THERAPEUTICS INC	COM	81750R102	1,495	232,800	SH	SOLE	232,800	0	0
SERITAGE GROWTH PPTYS	CL A	81752R100	742	82,238	SH	SOLE	82,238	0	0
SERVICE CORP INTL	COM	817565104	21,733	376,400	SH	SOLE	376,400	0	0
SERVICE PPTYS TR	COM SH BEN INT	81761L102	2,026	390,388	SH	SOLE	390,388	0	0
SERVICENOW INC	COM	81762P102	328,054	868,763	SH	SOLE	868,763	0	0
SERVISFIRST BANCSHARES INC	COM	81768T108	9,269	115,868	SH	SOLE	115,868	0	0
SES AI CORPORATION	CL A COM	78397Q109	1,049	214,900	SH	SOLE	214,900	0	0
SHAKE SHACK INC	CL A	819047101	3,976	88,400	SH	SOLE	88,400	0	0
SHAW COMMUNICATIONS INC	CL B CONV	82028K200	52,578	2,144,900	SH	SOLE	2,144,900	0	0
SHENANDOAH TELECOMMUNICATION	COM	82312B106	1,909	112,172	SH	SOLE	112,172	0	0
SHERWIN WILLIAMS CO	COM	824348106	219,357	1,071,342	SH	SOLE	1,071,342	0	0
SHIFT4 PMTS INC	CL A	82452J109	5,389	120,800	SH	SOLE	120,800	0	0
SHOALS TECHNOLOGIES GROUP IN	CL A	82489W107	5,743	266,500	SH	SOLE	266,500	0	0
SHOCKWAVE MED INC	COM	82489T104	23,608	84,900	SH	SOLE	84,900	0	0
SHOE CARNIVAL INC	COM	824889109	930	43,400	SH	SOLE	43,400	0	0
SHOPIFY INC	CL A	82509L107	139,394	5,136,110	SH	SOLE	5,136,110	0	0
SHOTSPOTTER INC	COM	82536T107	621	21,600	SH	SOLE	21,600	0	0
SHUTTERSTOCK INC	COM	825690100	3,005	59,900	SH	SOLE	59,900	0	0
SHYFT GROUP INC	COM	825698103	1,600	78,300	SH	SOLE	78,300	0	0
SI-BONE INC	COM	825704109	1,194	68,400	SH	SOLE	68,400	0	0
SIERRA WIRELESS INC	COM	826516106	2,804	91,500	SH	SOLE	91,500	0	0
SIGA TECHNOLOGIES INC	COM	826917106	1,083	105,100	SH	SOLE	105,100	0	0
SIGNET JEWELERS LIMITED	SHS	G81276100	6,428	112,400	SH	SOLE	112,400	0	0
SIGNIFY HEALTH INC	CL A COM	82671G100	4,874	167,200	SH	SOLE	167,200	0	0
SILGAN HOLDINGS INC	COM	827048109	8,837	210,200	SH	SOLE	210,200	0	0
SILICON LABORATORIES INC	COM	826919102	10,702	86,700	SH	SOLE	86,700	0	0
SILK RD MED INC	COM	82710M100	3,749	83,300	SH	SOLE	83,300	0	0
SILVERBOW RES INC	COM	82836G102	637	23,700	SH	SOLE	23,700	0	0

SILVERCORP METALS INC	COM	82835P103	990	420,200	SH	SOLE	420,200	0	0
SILVERCREST METALS INC	COM	828363101	1,942	346,900	SH	SOLE	346,900	0	0
SILVERGATE CAP CORP	CL A	82837P408	5,651	75,000	SH	SOLE	75,000	0	0
SIMILARWEB LTD	SHS	M84137104	260	44,388	SH	SOLE	44,388	0	0
SIMMONS 1ST NATL CORP	CL A \$1 PAR	828730200	6,750	309,786	SH	SOLE	309,786	0	0
SIMON PPTY GROUP INC NEW	COM	828806109	127,758	1,423,491	SH	SOLE	1,423,491	0	0
SIMPLY GOOD FOODS CO	COM	82900L102	6,472	202,300	SH	SOLE	202,300	0	0
SIMPSON MFG INC	COM	829073105	8,020	102,300	SH	SOLE	102,300	0	0
SIMULATIONS PLUS INC	COM	829214105	1,849	38,100	SH	SOLE	38,100	0	0
SINCLAIR BROADCAST GROUP INC	CL A	829226109	1,913	105,750	SH	SOLE	105,750	0	0
SIRIUS XM HOLDINGS INC	COM	82968B103	19,520	3,418,566	SH	SOLE	3,418,566	0	0
SIRIUSPOINT LTD	COM	G8192H106	1,042	210,600	SH	SOLE	210,600	0	0
SITE CTRS CORP	COM	82981J109	4,887	456,300	SH	SOLE	456,300	0	0
SITEONE LANDSCAPE SUPPLY INC	COM	82982L103	11,091	106,500	SH	SOLE	106,500	0	0
SITIME CORP	COM	82982T106	2,945	37,400	SH	SOLE	37,400	0	0
SIX FLAGS ENTMT CORP NEW	COM	83001A102	3,266	184,500	SH	SOLE	184,500	0	0
SJW GROUP	COM	784305104	3,306	57,400	SH	SOLE	57,400	0	0
SKECHERS U S A INC	CL A	830566105	10,144	319,800	SH	SOLE	319,800	0	0
SKEENA RES LTD NEW	COM	83056P715	653	138,600	SH	SOLE	138,600	0	0
SKILLSOFT CORP	CL A	83066P200	354	193,500	SH	SOLE	193,500	0	0
SKILLZ INC	COM	83067L109	571	559,500	SH	SOLE	559,500	0	0
SKYLINE CHAMPION CORPORATION	COM	830830105	6,767	128,000	SH	SOLE	128,000	0	0
SKYWEST INC	COM	830879102	485	29,800	SH	SOLE	29,800	0	0
SKYWORKS SOLUTIONS INC	COM	83088M102	59,470	697,436	SH	SOLE	697,436	0	0
SL GREEN RLTY CORP	COM	78440X887	6,108	152,098	SH	SOLE	152,098	0	0
SLEEP NUMBER CORP	COM	83125X103	1,782	52,700	SH	SOLE	52,700	0	0
SLM CORP	COM	78442P106	8,931	638,388	SH	SOLE	638,388	0	0
SM ENERGY CO	COM	78454L100	10,869	289,000	SH	SOLE	289,000	0	0
SMART GLOBAL HLDGS INC	SHS	G8232Y101	1,779	112,100	SH	SOLE	112,100	0	0
SMARTRENT INC	COM CL A	83193G107	467	205,800	SH	SOLE	205,800	0	0
SMARTSHEET INC	COM CL A	83200N103	9,975	290,300	SH	SOLE	290,300	0	0
SMITH & WESSON BRANDS INC	COM	831754106	1,119	107,950	SH	SOLE	107,950	0	0
SMITH A O CORP	COM	831865209	27,387	563,748	SH	SOLE	563,748	0	0
SMUCKER J M CO	COM NEW	832696405	64,578	469,969	SH	SOLE	469,969	0	0
SNAP INC	CL A	83304A106	47,052	4,791,458	SH	SOLE	4,791,458	0	0
SNAP ON INC	COM	833034101	46,602	231,447	SH	SOLE	231,447	0	0
SNAP ONE HOLDINGS CORP	COM	83303Y105	364	35,900	SH	SOLE	35,900	0	0
SNOWFLAKE INC	CL A	833445109	163,994	964,900	SH	SOLE	964,900	0	0
SOFI TECHNOLOGIES INC	COM	83406F102	6,889	1,411,600	SH	SOLE	1,411,600	0	0
SOLAREdge TECHNOLOGIES INC	COM	83417M104	55,542	239,964	SH	SOLE	239,964	0	0
SOLARWINDS CORP	COM NEW	83417Q204	729	94,050	SH	SOLE	94,050	0	0

SOLID POWER INC	CLASS A COM	83422N105	1,283	244,000	SH	SOLE	244,000	0	0
SOMALOGIC INC	CLASS A COM	83444K105	933	321,700	SH	SOLE	321,700	0	0
SONIC AUTOMOTIVE INC	CL A	83545G102	2,122	49,000	SH	SOLE	49,000	0	0
SONOCO PRODS CO	COM	835495102	13,116	231,200	SH	SOLE	231,200	0	0
SONOS INC	COM	83570H108	4,216	303,300	SH	SOLE	303,300	0	0
SORRENTO THERAPEUTICS INC	COM NEW	83587F202	1,448	922,300	SH	SOLE	922,300	0	0
SOTERA HEALTH CO	COM	83601L102	1,601	234,700	SH	SOLE	234,700	0	0
SOUTH JERSEY INDS INC	COM	838518108	9,702	290,309	SH	SOLE	290,309	0	0
SOUTHERN CO	COM	842587107	313,116	4,604,647	SH	SOLE	4,604,647	0	0
SOUTHERN COPPER CORP	COM	84265V105	11,978	267,120	SH	SOLE	267,120	0	0
SOUTHSIDE BANCSHARES INC	COM	84470P109	2,564	72,518	SH	SOLE	72,518	0	0
SOUTHSTATE CORPORATION	COM	840441109	14,157	178,937	SH	SOLE	178,937	0	0
SOUTHWEST AIRLS CO	COM	844741108	19,731	639,777	SH	SOLE	639,777	0	0
SOUTHWEST GAS HLDGS INC	COM	844895102	11,055	158,500	SH	SOLE	158,500	0	0
SOUTHWESTERN ENERGY CO	COM	845467109	12,958	2,117,400	SH	SOLE	2,117,400	0	0
SOVOS BRANDS INC	COM	84612U107	1,015	71,300	SH	SOLE	71,300	0	0
SP PLUS CORP	COM	78469C103	1,719	54,900	SH	SOLE	54,900	0	0
SPARTANNASH CO	COM	847215100	2,486	85,680	SH	SOLE	85,680	0	0
SPECTRUM BRANDS HLDGS INC NE	COM	84790A105	3,774	96,699	SH	SOLE	96,699	0	0
SPIRE INC	COM	84857L101	7,701	123,550	SH	SOLE	123,550	0	0
SPIRIT AEROSYSTEMS HLDGS INC	COM CL A	848574109	5,458	249,000	SH	SOLE	249,000	0	0
SPIRIT AIRLS INC	COM	848577102	1,206	64,100	SH	SOLE	64,100	0	0
SPIRIT RLTY CAP INC NEW	COM NEW	84860W300	11,515	318,454	SH	SOLE	318,454	0	0
SPLUNK INC	COM	848637104	52,435	697,273	SH	SOLE	697,273	0	0
SPORTSMANS WHSE HLDGS INC	COM	84920Y106	861	103,700	SH	SOLE	103,700	0	0
SPRINGWORKS THERAPEUTICS INC	COM	85205L107	1,837	64,400	SH	SOLE	64,400	0	0
SPRINKLR INC	CL A	85208T107	1,198	129,900	SH	SOLE	129,900	0	0
SPROTT INC	COM NEW	852066208	1,775	52,475	SH	SOLE	52,475	0	0
SPROUT SOCIAL INC	COM CL A	85209W109	6,677	110,041	SH	SOLE	110,041	0	0
SPROUTS FMRS MKT INC	COM	85208M102	7,214	259,950	SH	SOLE	259,950	0	0
SPS COMM INC	COM	78463M107	10,634	85,600	SH	SOLE	85,600	0	0
SPX TECHNOLOGIES INC	COM	78473E103	5,987	108,418	SH	SOLE	108,418	0	0
SQUARESPACE INC	CLASS A	85225A107	1,613	75,500	SH	SOLE	75,500	0	0
SS&C TECHNOLOGIES HLDGS INC	COM	78467J100	47,452	993,749	SH	SOLE	993,749	0	0
SSR MNG INC	COM	784730103	7,526	507,800	SH	SOLE	507,800	0	0
ST JOE CO	COM	790148100	2,453	76,600	SH	SOLE	76,600	0	0
STAAR SURGICAL CO	COM PAR \$0.01	852312305	6,801	96,400	SH	SOLE	96,400	0	0
STAG INDL INC	COM	85254J102	12,083	425,000	SH	SOLE	425,000	0	0
STAGWELL INC	COM CL A	85256A109	1,316	189,400	SH	SOLE	189,400	0	0

STANDARD MTR PRODS INC	COM	853666105	1,521	46,800	SH	SOLE	46,800	0	0
STANDEX INTL CORP	COM	854231107	2,335	28,600	SH	SOLE	28,600	0	0
STANLEY BLACK & DECKER INC	COM	854502101	49,203	654,208	SH	SOLE	654,208	0	0
STANTEC INC	COM	85472N109	11,750	265,770	SH	SOLE	265,770	0	0
STAR GROUP L P	UNIT LTD PARTNR	85512C105	650	79,903	SH	SOLE	79,903	0	0
STARBUCKS CORP	COM	855244109	418,796	4,970,277	SH	SOLE	4,970,277	0	0
STARWOOD PPTY TR INC	COM	85571B105	13,260	727,765	SH	SOLE	727,765	0	0
STEEL DYNAMICS INC	COM	858119100	58,052	818,217	SH	SOLE	818,217	0	0
STEELCASE INC	CL A	858155203	1,294	198,400	SH	SOLE	198,400	0	0
STELLANTIS N.V	SHS	N82405106	114,692	9,562,923	SH	SOLE	9,562,923	0	0
STEM INC	COM	85859N102	1,952	146,300	SH	SOLE	146,300	0	0
STEPAN CO	COM	858586100	4,965	53,000	SH	SOLE	53,000	0	0
STEPSTONE GROUP INC	COM CL A	85914M107	2,826	115,300	SH	SOLE	115,300	0	0
STERICYCLE INC	COM	858912108	9,197	218,400	SH	SOLE	218,400	0	0
STERIS PLC	SHS USD	G8473T100	72,128	433,775	SH	SOLE	433,775	0	0
STERLING CHECK CORP	COM	85917T109	3,422	194,000	SH	SOLE	194,000	0	0
STERLING INFRASTRUCTURE INC	COM	859241101	1,542	71,800	SH	SOLE	71,800	0	0
STEWART INFORMATION SVCS COR	COM	860372101	2,797	64,100	SH	SOLE	64,100	0	0
STIFEL FINL CORP	COM	860630102	13,118	252,713	SH	SOLE	252,713	0	0
STITCH FIX INC	COM CL A	860897107	775	196,300	SH	SOLE	196,300	0	0
STOCK YDS BANCORP INC	COM	861025104	4,715	69,323	SH	SOLE	69,323	0	0
STOKE THERAPEUTICS INC	COM	86150R107	478	37,200	SH	SOLE	37,200	0	0
STONERIDGE INC	COM	86183P102	1,090	64,300	SH	SOLE	64,300	0	0
STONEX GROUP INC	COM	861896108	3,376	40,700	SH	SOLE	40,700	0	0
STORE CAP CORP	COM	862121100	18,759	598,740	SH	SOLE	598,740	0	0
STRATEGIC ED INC	COM	86272C103	3,454	56,238	SH	SOLE	56,238	0	0
STRIDE INC	COM	86333M108	4,047	96,300	SH	SOLE	96,300	0	0
STRYKER CORPORATION	COM	863667101	298,758	1,475,056	SH	SOLE	1,475,056	0	0
STURM RUGER & CO INC	COM	864159108	2,113	41,600	SH	SOLE	41,600	0	0
SUMMIT HOTEL PPTYS INC	COM	866082100	1,692	251,800	SH	SOLE	251,800	0	0
SUMMIT MATLS INC	CL A	86614U100	6,717	280,359	SH	SOLE	280,359	0	0
SUMO LOGIC INC	COM	86646P103	1,544	205,800	SH	SOLE	205,800	0	0
SUN CMNTYS INC	COM	866674104	71,328	527,067	SH	SOLE	527,067	0	0
SUN CTRY AIRLS HLDGS INC	COM	866683105	468	34,400	SH	SOLE	34,400	0	0
SUN LIFE FINANCIAL INC.	COM	866796105	105,671	2,636,100	SH	SOLE	2,636,100	0	0
SUNCOKE ENERGY INC	COM	86722A103	1,141	196,450	SH	SOLE	196,450	0	0
SUNCOR ENERGY INC NEW	COM	867224107	183,401	6,460,512	SH	SOLE	6,460,512	0	0
SUNNOVA ENERGY INTL INC.	COM	86745K104	5,401	244,600	SH	SOLE	244,600	0	0
SUNOPTA INC	COM	8676EP108	1,655	180,125	SH	SOLE	180,125	0	0
SUNPOWER CORP	COM	867652406	4,749	206,100	SH	SOLE	206,100	0	0
SUNRUN INC	COM	86771W105	12,371	448,400	SH	SOLE	448,400	0	0

SUNSTONE HOTEL INVS INC NEW	COM	867892101	4,807	510,349	SH	SOLE	510,349	0	0
SUPER MICRO COMPUTER INC	COM	86800U104	6,102	110,800	SH	SOLE	110,800	0	0
SUPERNUS PHARMACEUTICALS INC	COM	868459108	4,289	126,700	SH	SOLE	126,700	0	0
SURGERY PARTNERS INC	COM	86881A100	2,244	95,900	SH	SOLE	95,900	0	0
SURMODICS INC	COM	868873100	1,000	32,900	SH	SOLE	32,900	0	0
SWITCH INC	CL A	87105L104	10,814	321,000	SH	SOLE	321,000	0	0
SYLVAMO CORP	COMMON STOCK	871332102	3,183	93,900	SH	SOLE	93,900	0	0
SYNAPTICS INC	COM	87157D109	9,297	93,900	SH	SOLE	93,900	0	0
SYNDAX PHARMACEUTICALS INC	COM	87164F105	2,723	113,300	SH	SOLE	113,300	0	0
SYNEOS HEALTH INC	CL A	87166B102	11,471	243,277	SH	SOLE	243,277	0	0
SYNOPSIS INC	COM	871607107	202,575	663,073	SH	SOLE	663,073	0	0
SYNOVUS FINL CORP	COM NEW	87161C501	12,927	344,619	SH	SOLE	344,619	0	0
SYSCO CORP	COM	871829107	156,116	2,207,828	SH	SOLE	2,207,828	0	0
TABOOLA.COM LTD	ORD SHS	M8744T106	249	137,700	SH	SOLE	137,700	0	0
TACTILE SYS TECHNOLOGY INC	COM	87357P100	365	46,900	SH	SOLE	46,900	0	0
TAKE-TWO INTERACTIVE SOFTWARE	COM	874054109	76,580	702,565	SH	SOLE	702,565	0	0
TAL EDUCATION GROUP	SPONSORED ADS	874080104	5,819	1,177,965	SH	SOLE	1,177,965	0	0
TALOS ENERGY INC	COM	87484T108	2,281	137,000	SH	SOLE	137,000	0	0
TANDEM DIABETES CARE INC	COM NEW	875372203	7,259	151,700	SH	SOLE	151,700	0	0
TANGER FACTORY OUTLET CTRS I	COM	875465106	3,386	247,500	SH	SOLE	247,500	0	0
TANGO THERAPEUTICS INC	COM	87583X109	262	72,300	SH	SOLE	72,300	0	0
TAPESTRY INC	COM	876030107	16,976	597,100	SH	SOLE	597,100	0	0
TARGA RES CORP	COM	87612G101	56,671	939,200	SH	SOLE	939,200	0	0
TARGET CORP	COM	87612E106	298,184	2,009,462	SH	SOLE	2,009,462	0	0
TARGET HOSPITALITY CORP	COM	87615L107	1,016	80,500	SH	SOLE	80,500	0	0
TARO PHARMACEUTICAL INDS LTD	SHS	M8737E108	675	22,500	SH	SOLE	22,500	0	0
TASEKO MINES LTD	COM	876511106	783	679,200	SH	SOLE	679,200	0	0
TASKUS INC	CLASS A COM	87652V109	953	59,200	SH	SOLE	59,200	0	0
TATTOOED CHEF INC	COM CL A	87663X102	577	115,900	SH	SOLE	115,900	0	0
TAYLOR MORRISON HOME CORP	COM	87724P106	6,286	269,560	SH	SOLE	269,560	0	0
TC ENERGY CORP	COM	87807B107	179,139	4,411,823	SH	SOLE	4,411,823	0	0
TD SYNnex CORPORATION	COM	87162W100	8,329	102,585	SH	SOLE	102,585	0	0
TDCX INC	ADS	87190U100	495	52,782	SH	SOLE	52,782	0	0
TE CONNECTIVITY LTD	SHS	H84989104	154,074	1,396,108	SH	SOLE	1,396,108	0	0
TECHNIPFMC PLC	COM	G87110105	8,618	1,018,700	SH	SOLE	1,018,700	0	0
TECHTARGET INC	COM	87874R100	3,943	66,600	SH	SOLE	66,600	0	0
TECK RESOURCES LTD	CL B	878742204	65,987	2,152,379	SH	SOLE	2,152,379	0	0
TEGNA INC	COM	87901J105	10,381	502,000	SH	SOLE	502,000	0	0
TEJON RANCH CO	COM	879080109	718	49,880	SH	SOLE	49,880	0	0

TELADOC HEALTH INC	COM	87918A105	17,595	694,077	SH	SOLE	694,077	0	0
TELEDYNE TECHNOLOGIES INC	COM	879360105	68,494	202,963	SH	SOLE	202,963	0	0
TELEFLEX INCORPORATED	COM	879369106	40,811	202,575	SH	SOLE	202,575	0	0
TELEPHONE & DATA SYS INC	COM NEW	879433829	3,358	241,600	SH	SOLE	241,600	0	0
TELLURIAN INC NEW	COM	87968A104	2,737	1,145,300	SH	SOLE	1,145,300	0	0
TELOS CORP MD	COM	87969B101	559	62,900	SH	SOLE	62,900	0	0
TELUS CORPORATION	COM	87971M103	41,770	2,086,665	SH	SOLE	2,086,665	0	0
TEMPUR SEALY INTL INC	COM	88023U101	9,547	395,500	SH	SOLE	395,500	0	0
TENABLE HLDGS INC	COM	88025T102	9,125	262,200	SH	SOLE	262,200	0	0
TENCENT MUSIC ENTMT GROUP	SPON ADS	88034P109	7,849	1,933,253	SH	SOLE	1,933,253	0	0
TENET HEALTHCARE CORP	COM NEW	88033G407	12,518	242,700	SH	SOLE	242,700	0	0
TENNANT CO	COM	880345103	2,370	41,900	SH	SOLE	41,900	0	0
TENNECO INC	CL A VTG COM STK	880349105	3,438	197,700	SH	SOLE	197,700	0	0
TERADATA CORP DEL	COM	88076W103	7,711	248,259	SH	SOLE	248,259	0	0
TERADYNE INC	COM	880770102	52,180	694,350	SH	SOLE	694,350	0	0
TEREX CORP NEW	COM	880779103	4,883	164,200	SH	SOLE	164,200	0	0
TERMINIX GLOBAL HOLDINGS INC	COM	88087E100	11,032	288,107	SH	SOLE	288,107	0	0
TERRENO RLTY CORP	COM	88146M101	9,491	179,100	SH	SOLE	179,100	0	0
TESLA INC	COM	88160R101	3,036,815	11,448,877	SH	SOLE	11,448,877	0	0
TETRA TECH INC NEW	COM	88162G103	16,375	127,400	SH	SOLE	127,400	0	0
TEVA PHARMACEUTICAL INDS LTD	SPONSORED ADS	881624209	38,059	4,716,093	SH	SOLE	4,716,093	0	0
TEXAS CAP BANCSHARES INC	COM	88224Q107	7,098	120,250	SH	SOLE	120,250	0	0
TEXAS INSTRS INC	COM	882508104	618,545	3,996,283	SH	SOLE	3,996,283	0	0
TEXAS PACIFIC LAND CORPORATI	COM	88262P102	47,838	26,917	SH	SOLE	26,917	0	0
TEXAS ROADHOUSE INC	COM	882681109	13,403	153,600	SH	SOLE	153,600	0	0
TFI INTL INC	COM	87241L109	33,745	369,900	SH	SOLE	369,900	0	0
TFS FINL CORP	COM	87240R107	1,726	132,800	SH	SOLE	132,800	0	0
TG THERAPEUTICS INC	COM	88322Q108	1,926	325,400	SH	SOLE	325,400	0	0
THE AARONS COMPANY INC	COM	00258W108	710	73,000	SH	SOLE	73,000	0	0
THE BEACHBODY COMPANY INC	COM CL A	073463101	260	257,500	SH	SOLE	257,500	0	0
THE BEAUTY HEALTH COMPANY	COM CL A	88331L108	2,527	214,300	SH	SOLE	214,300	0	0
THE LION ELECTRIC COMPANY	COMMON STOCK	536221104	386	134,900	SH	SOLE	134,900	0	0
THE NECESSITY RETAIL REIT IN	COM CLASS A	02607T109	1,855	315,460	SH	SOLE	315,460	0	0
THE ODP CORP	COM	88337F105	3,690	104,989	SH	SOLE	104,989	0	0
THE REALREAL INC	COM	88339P101	279	185,700	SH	SOLE	185,700	0	0
THE TRADE DESK INC	COM CL A	88339J105	114,469	1,915,800	SH	SOLE	1,915,800	0	0
THERAVANCE BIOPHARMA INC	COM	G8807B106	1,372	135,342	SH	SOLE	135,342	0	0
THERMO FISHER SCIENTIFIC INC	COM	883556102	860,462	1,696,527	SH	SOLE	1,696,527	0	0
THERMON GROUP HLDGS INC	COM	88362T103	1,216	78,900	SH	SOLE	78,900	0	0

THOMSON REUTERS CORP.	COM NEW	884903709	79,339	766,698	SH	SOLE	766,698	0	0
THOR INDS INC	COM	885160101	9,132	130,500	SH	SOLE	130,500	0	0
THREDUP INC	CL A	88556E102	256	139,100	SH	SOLE	139,100	0	0
THRYV HLDGS INC	COM NEW	886029206	1,100	48,200	SH	SOLE	48,200	0	0
TIDEWATER INC NEW	COM	88642R109	516	23,800	SH	SOLE	23,800	0	0
TILRAY BRANDS INC	COM CL 2	88688T100	3,246	1,180,238	SH	SOLE	1,180,238	0	0
TIMKEN CO	COM	887389104	9,340	158,200	SH	SOLE	158,200	0	0
TIMKENSTEEL CORPORATION	COM	887399103	1,409	94,000	SH	SOLE	94,000	0	0
TITAN INTL INC ILL	COM	88830M102	1,443	118,900	SH	SOLE	118,900	0	0
TITAN MACHY INC	COM	88830R101	1,354	47,900	SH	SOLE	47,900	0	0
TJX COS INC NEW	COM	872540109	315,412	5,077,459	SH	SOLE	5,077,459	0	0
T-MOBILE US INC	COM	872590104	364,443	2,716,281	SH	SOLE	2,716,281	0	0
TOLL BROTHERS INC	COM	889478103	11,096	264,200	SH	SOLE	264,200	0	0
TOMPKINS FINL CORP	COM	890110109	2,258	31,100	SH	SOLE	31,100	0	0
TOOTSIE ROLL INDS INC	COM	890516107	1,275	38,301	SH	SOLE	38,301	0	0
TOPBUILD CORP	COM	89055F103	12,807	77,721	SH	SOLE	77,721	0	0
TOPGOLF CALLAWAY BRANDS CORP	COM	131193104	6,329	328,600	SH	SOLE	328,600	0	0
TORM PLC	SHS CL A	G89479102	1,391	67,957	SH	SOLE	67,957	0	0
TORO CO	COM	891092108	21,438	247,900	SH	SOLE	247,900	0	0
TOWER SEMICONDUCTOR LTD	SHS NEW	M87915274	20,190	462,876	SH	SOLE	462,876	0	0
TOWNEBANK PORTSMOUTH VA	COM	89214P109	4,392	163,715	SH	SOLE	163,715	0	0
TPG INC	COM CL A	872657101	2,339	84,000	SH	SOLE	84,000	0	0
TPG RE FIN TR INC	COM	87266M107	891	127,300	SH	SOLE	127,300	0	0
TPI COMPOSITES INC	COM	87266J104	994	88,100	SH	SOLE	88,100	0	0
TRACTOR SUPPLY CO	COM	892356106	90,143	484,950	SH	SOLE	484,950	0	0
TRAEGER INC	COMMON STOCK	89269P103	353	125,200	SH	SOLE	125,200	0	0
TRANE TECHNOLOGIES PLC	SHS	G8994E103	146,741	1,013,334	SH	SOLE	1,013,334	0	0
TRANSALTA CORP	COM	89346D107	5,195	583,000	SH	SOLE	583,000	0	0
TRANSDIGM GROUP INC	COM	893641100	117,959	224,761	SH	SOLE	224,761	0	0
TRANSMEDICS GROUP INC	COM	89377M109	2,947	70,600	SH	SOLE	70,600	0	0
TRANSOCEAN LTD	REG SHS	H8817H100	3,790	1,534,230	SH	SOLE	1,534,230	0	0
TRANSUNION	COM	89400J107	49,599	833,739	SH	SOLE	833,739	0	0
TRAVEL PLUS LEISURE CO	COM	894164102	6,909	202,500	SH	SOLE	202,500	0	0
TRAVELCENTERS OF AMERICA INC	COM NEW	89421B109	1,699	31,500	SH	SOLE	31,500	0	0
TRAVELERS COMPANIES INC	COM	89417E109	159,305	1,039,852	SH	SOLE	1,039,852	0	0
TRAVERE THERAPEUTICS INC	COM	89422G107	3,154	128,000	SH	SOLE	128,000	0	0
TREACE MED CONCEPTS INC	COM	89455T109	867	39,300	SH	SOLE	39,300	0	0
TREDEGAR CORP	COM	894650100	603	63,900	SH	SOLE	63,900	0	0
TREEHOUSE FOODS INC	COM	89469A104	5,071	119,551	SH	SOLE	119,551	0	0
TREX CO INC	COM	89531P105	11,793	268,400	SH	SOLE	268,400	0	0
TRI POINTE HOMES INC	COM	87265H109	3,706	245,247	SH	SOLE	245,247	0	0
TRICIDA INC	COM	89610F101	615	58,700	SH	SOLE	58,700	0	0
TRICO BANCSHARES	COM	896095106	3,210	71,900	SH	SOLE	71,900	0	0

TRICON RESIDENTIAL INC	COM NPV	89612W102	5,405	619,800	SH	SOLE	619,800	0	0
TRIMAS CORP	COM NEW	896215209	2,540	101,300	SH	SOLE	101,300	0	0
TRIMBLE INC	COM	896239100	58,804	1,083,551	SH	SOLE	1,083,551	0	0
TRINET GROUP INC	COM	896288107	6,837	96,000	SH	SOLE	96,000	0	0
TRINITY INDS INC	COM	896522109	4,007	187,700	SH	SOLE	187,700	0	0
TRINSEO PLC	SHS	G9059U107	1,257	68,600	SH	SOLE	68,600	0	0
TRIP COM GROUP LTD	ADS	89677Q107	39,829	1,458,421	SH	SOLE	1,458,421	0	0
TRIPADVISOR INC	COM	896945201	5,312	240,600	SH	SOLE	240,600	0	0
TRITON INTL LTD	CL A	G9078F107	8,335	152,300	SH	SOLE	152,300	0	0
TRIUMPH BANCORP INC	COM	89679E300	3,071	56,500	SH	SOLE	56,500	0	0
TRIUMPH GROUP INC NEW	COM	896818101	1,313	152,800	SH	SOLE	152,800	0	0
TRONOX HOLDINGS PLC	SHS	G9087Q102	3,394	277,100	SH	SOLE	277,100	0	0
TRUEBLUE INC	COM	89785X101	1,500	78,600	SH	SOLE	78,600	0	0
TRUECAR INC	COM	89785L107	291	193,000	SH	SOLE	193,000	0	0
TRUPANION INC	COM	898202106	4,880	82,110	SH	SOLE	82,110	0	0
TRUSTCO BK CORP N Y	COM NEW	898349204	1,430	45,520	SH	SOLE	45,520	0	0
TRUSTMARK CORP	COM	898402102	4,242	138,500	SH	SOLE	138,500	0	0
TTEC HLDGS INC	COM	89854H102	1,972	44,500	SH	SOLE	44,500	0	0
TTM TECHNOLOGIES INC	COM	87305R109	3,000	227,600	SH	SOLE	227,600	0	0
TUCOWS INC	COM NEW	898697206	902	24,100	SH	SOLE	24,100	0	0
TUPPERWARE BRANDS CORP	COM	899896104	677	103,300	SH	SOLE	103,300	0	0
TURNING PT BRANDS INC	COM	90041L105	783	36,900	SH	SOLE	36,900	0	0
TURQUOISE HILL RES LTD	COM	900435207	5,743	192,410	SH	SOLE	192,410	0	0
TUSIMPLE HLDGS INC	CL A	90089L108	887	116,700	SH	SOLE	116,700	0	0
TUTOR PERINI CORP	COM	901109108	565	102,300	SH	SOLE	102,300	0	0
TWILIO INC	CL A	90138F102	51,403	743,460	SH	SOLE	743,460	0	0
TWIST BIOSCIENCE CORP	COM	90184D100	4,465	126,700	SH	SOLE	126,700	0	0
TWITTER INC	COM	90184L102	123,409	2,814,992	SH	SOLE	2,814,992	0	0
TWO HBRS INVT CORP	COM NEW	90187B408	2,700	813,152	SH	SOLE	813,152	0	0
TYLER TECHNOLOGIES INC	COM	902252105	62,471	179,773	SH	SOLE	179,773	0	0
TYSON FOODS INC	CL A	902494103	83,276	1,263,099	SH	SOLE	1,263,099	0	0
U S PHYSICAL THERAPY	COM	90337L108	2,341	30,800	SH	SOLE	30,800	0	0
U S SILICA HLDGS INC	COM	90346E103	1,960	179,000	SH	SOLE	179,000	0	0
UBER TECHNOLOGIES INC	COM	90353T100	169,140	6,382,631	SH	SOLE	6,382,631	0	0
UDR INC	COM	902653104	57,472	1,377,888	SH	SOLE	1,377,888	0	0
UFP INDUSTRIES INC	COM	90278Q108	10,734	148,750	SH	SOLE	148,750	0	0
UGI CORP NEW	COM	902681105	29,353	907,923	SH	SOLE	907,923	0	0
ULTA BEAUTY INC	COM	90384S303	90,082	224,536	SH	SOLE	224,536	0	0
ULTRA CLEAN HLDGS INC	COM	90385V107	2,753	106,900	SH	SOLE	106,900	0	0
ULTRAGENYX PHARMACEUTICAL IN	COM	90400D108	6,524	157,552	SH	SOLE	157,552	0	0
UMB FINL CORP	COM	902788108	9,188	109,000	SH	SOLE	109,000	0	0
UMH PPTYS INC	COM	903002103	1,974	122,200	SH	SOLE	122,200	0	0
UMPQUA HLDGS CORP	COM	904214103	8,797	514,725	SH	SOLE	514,725	0	0

UNDER ARMOUR INC	CL A	904311107	2,966	446,000	SH	SOLE	446,000	0	0
UNDER ARMOUR INC	CL C	904311206	2,865	480,700	SH	SOLE	480,700	0	0
UNIFIRST CORP MASS	COM	904708104	6,056	36,000	SH	SOLE	36,000	0	0
UNION PAC CORP	COM	907818108	530,556	2,723,316	SH	SOLE	2,723,316	0	0
UNIQUE NV	SHS	N90064101	1,868	99,600	SH	SOLE	99,600	0	0
UNISYS CORP	COM NEW	909214306	1,199	158,800	SH	SOLE	158,800	0	0
UNITED BANKSHARES INC WEST V	COM	909907107	11,471	320,863	SH	SOLE	320,863	0	0
UNITED CMNTY BKS BLAIRSVLE G	COM	90984P303	8,321	251,400	SH	SOLE	251,400	0	0
UNITED FIRE GROUP INC	COM	910340108	1,448	50,400	SH	SOLE	50,400	0	0
UNITED NAT FOODS INC	COM	911163103	4,750	138,200	SH	SOLE	138,200	0	0
UNITED PARCEL SERVICE INC	CL B	911312106	514,152	3,182,818	SH	SOLE	3,182,818	0	0
UNITED RENTALS INC	COM	911363109	83,867	310,482	SH	SOLE	310,482	0	0
UNITED STATES CELLULAR CORP	COM	911684108	974	37,400	SH	SOLE	37,400	0	0
UNITED STATES STL CORP NEW	COM	912909108	11,198	618,000	SH	SOLE	618,000	0	0
UNITED STS LIME & MINERALS I	COM	911922102	552	5,400	SH	SOLE	5,400	0	0
UNITED THERAPEUTICS CORP DEL	COM	91307C102	22,487	107,400	SH	SOLE	107,400	0	0
UNITEDHEALTH GROUP INC	COM	91324P102	2,053,354	4,065,726	SH	SOLE	4,065,726	0	0
UNITI GROUP INC	COM	91325V108	3,908	562,274	SH	SOLE	562,274	0	0
UNITIL CORP	COM	913259107	1,756	37,800	SH	SOLE	37,800	0	0
UNITY SOFTWARE INC	COM	91332U101	26,568	833,900	SH	SOLE	833,900	0	0
UNIVAR SOLUTIONS INC	COM	91336L107	9,126	401,338	SH	SOLE	401,338	0	0
UNIVERSAL CORP VA	COM	913456109	2,680	58,200	SH	SOLE	58,200	0	0
UNIVERSAL DISPLAY CORP	COM	91347P105	10,039	106,400	SH	SOLE	106,400	0	0
UNIVERSAL ELECTRS INC	COM	913483103	595	30,224	SH	SOLE	30,224	0	0
UNIVERSAL HEALTH RLTY INCOME	SH BEN INT	91359E105	1,335	30,900	SH	SOLE	30,900	0	0
UNIVERSAL HLTH SVCS INC	CL B	913903100	25,644	290,809	SH	SOLE	290,809	0	0
UNIVERSAL INS HLDGS INC	COM	91359V107	654	66,400	SH	SOLE	66,400	0	0
UNIVEST FINANCIAL CORPORATIO	COM	915271100	1,636	69,678	SH	SOLE	69,678	0	0
UNUM GROUP	COM	91529Y106	18,504	476,900	SH	SOLE	476,900	0	0
UPLAND SOFTWARE INC	COM	91544A109	543	66,800	SH	SOLE	66,800	0	0
UPSTART HLDGS INC	COM	91680M107	3,761	180,900	SH	SOLE	180,900	0	0
UPWORK INC	COM	91688F104	3,769	276,700	SH	SOLE	276,700	0	0
URANIUM ENERGY CORP	COM	916896103	2,792	797,800	SH	SOLE	797,800	0	0
URBAN EDGE PPTYS	COM	91704F104	3,714	278,409	SH	SOLE	278,409	0	0
URBAN OUTFITTERS INC	COM	917047102	2,861	145,573	SH	SOLE	145,573	0	0
URSTADT BIDDLE PPTYS INC	CL A	917286205	1,103	71,136	SH	SOLE	71,136	0	0
US FOODS HLDG CORP	COM	912008109	12,634	477,855	SH	SOLE	477,855	0	0
USANA HEALTH SCIENCES INC	COM	90328M107	1,530	27,300	SH	SOLE	27,300	0	0
UTZ BRANDS INC	COM CL A	918090101	2,312	153,100	SH	SOLE	153,100	0	0

UWM HOLDINGS CORPORATION	COM CL A	91823B109	607	207,100	SH	SOLE	207,100	0	0
V F CORP	COM	918204108	42,807	1,431,193	SH	SOLE	1,431,193	0	0
V2X INC	COM	92242T101	981	27,700	SH	SOLE	27,700	0	0
VAIL RESORTS INC	COM	91879Q109	37,877	175,647	SH	SOLE	175,647	0	0
VALARIS LIMITED	CL A	G9460G101	2,613	53,400	SH	SOLE	53,400	0	0
VALERO ENERGY CORP	COM	91913Y100	188,964	1,768,494	SH	SOLE	1,768,494	0	0
VALLEY NATL BANCORP	COM	919794107	11,022	1,020,560	SH	SOLE	1,020,560	0	0
VALMONT INDS INC	COM	920253101	13,565	50,500	SH	SOLE	50,500	0	0
VALVOLINE INC	COM	92047W101	10,705	422,465	SH	SOLE	422,465	0	0
VANDA PHARMACEUTICALS INC	COM	921659108	1,324	134,000	SH	SOLE	134,000	0	0
VAREX IMAGING CORP	COM	92214X106	1,994	94,340	SH	SOLE	94,340	0	0
VARONIS SYS INC	COM	922280102	6,891	259,854	SH	SOLE	259,854	0	0
VAXART INC	COM NEW	92243A200	647	296,700	SH	SOLE	296,700	0	0
VAXCYTE INC	COM	92243G108	1,992	83,000	SH	SOLE	83,000	0	0
VBI VACCINES INC CDA	COM NEW	91822J103	322	456,200	SH	SOLE	456,200	0	0
VECTOR GROUP LTD	COM	92240M108	2,751	312,273	SH	SOLE	312,273	0	0
VEECO INSTRS INC DEL	COM	922417100	2,226	121,521	SH	SOLE	121,521	0	0
VEEVA SYS INC	CL A COM	922475108	100,044	606,766	SH	SOLE	606,766	0	0
VELO3D INC	COMMON STOCK	92259N104	511	129,800	SH	SOLE	129,800	0	0
VELODYNE LIDAR INC	COM	92259F101	374	394,500	SH	SOLE	394,500	0	0
VENTAS INC	COM	92276F100	69,525	1,730,772	SH	SOLE	1,730,772	0	0
VERA THERAPEUTICS INC	CL A	92337R101	739	34,700	SH	SOLE	34,700	0	0
VERACYTE INC	COM	92337F107	2,812	169,400	SH	SOLE	169,400	0	0
VERICEL CORP	COM	92346J108	2,334	100,600	SH	SOLE	100,600	0	0
VERINT SYS INC	COM	92343X100	5,151	153,400	SH	SOLE	153,400	0	0
VERIS RESIDENTIAL INC	COM	554489104	2,086	183,500	SH	SOLE	183,500	0	0
VERISIGN INC	COM	92343E102	74,211	427,237	SH	SOLE	427,237	0	0
VERISK ANALYTICS INC	COM	92345Y106	116,698	684,327	SH	SOLE	684,327	0	0
VERITEX HLDGS INC	COM	923451108	3,401	127,917	SH	SOLE	127,917	0	0
VERITIV CORP	COM	923454102	3,236	33,100	SH	SOLE	33,100	0	0
VERITONE INC	COM	92347M100	434	77,000	SH	SOLE	77,000	0	0
VERIZON COMMUNICATIONS INC	COM	92343V104	691,062	18,200,201	SH	SOLE	18,200,201	0	0
VERMILION ENERGY INC	COM	923725105	8,519	394,767	SH	SOLE	394,767	0	0
VERRA MOBILITY CORP	CL A COM STK	92511U102	5,124	333,400	SH	SOLE	333,400	0	0
VERTEX INC	CL A	92538J106	1,381	101,000	SH	SOLE	101,000	0	0
VERTEX PHARMACEUTICALS INC	COM	92532F100	320,919	1,108,375	SH	SOLE	1,108,375	0	0
VERTIV HOLDINGS CO	COM CL A	92537N108	7,380	759,300	SH	SOLE	759,300	0	0
VERU INC	COM	92536C103	1,740	151,000	SH	SOLE	151,000	0	0
VERVE THERAPEUTICS INC	COM	92539P101	2,621	76,300	SH	SOLE	76,300	0	0
VIAD CORP	COM	92552R406	1,535	48,600	SH	SOLE	48,600	0	0
VIASAT INC	COM	92552V100	4,000	132,324	SH	SOLE	132,324	0	0
VIATRIS INC	COM	92556V106	44,763	5,253,825	SH	SOLE	5,253,825	0	0
VIAVI SOLUTIONS INC	COM	925550105	7,051	540,300	SH	SOLE	540,300	0	0

VICI PPTYS INC	COM	925652109	124,468	4,169,770	SH	SOLE	4,169,770	0	0
VICOR CORP	COM	925815102	3,160	53,432	SH	SOLE	53,432	0	0
VICTORIAS SECRET AND CO	COMMON STOCK	926400102	5,769	198,100	SH	SOLE	198,100	0	0
VICTORY CAP HLDGS INC	COM CL A	92645B103	937	40,200	SH	SOLE	40,200	0	0
VIEWRAY INC	COM	92672L107	1,168	320,900	SH	SOLE	320,900	0	0
VIMEO INC	COMMON STOCK	92719V100	1,414	353,418	SH	SOLE	353,418	0	0
VINCO VENTURES INC	COM	927330100	489	525,200	SH	SOLE	525,200	0	0
VINTAGE WINE ESTATES INC	COM	92747V106	201	72,600	SH	SOLE	72,600	0	0
VIPER ENERGY PARTNERS LP	COM UNT RP INT	92763M105	4,184	146,000	SH	SOLE	146,000	0	0
VIPSHOP HOLDINGS LIMITED	SPONSORED ADS A	92763W103	10,171	1,209,363	SH	SOLE	1,209,363	0	0
VIR BIOTECHNOLOGY INC	COM	92764N102	3,328	172,600	SH	SOLE	172,600	0	0
VIRGIN GALACTIC HOLDINGS INC	COM	92766K106	2,311	490,600	SH	SOLE	490,600	0	0
VIRIDIAN THERAPEUTICS INC	COM	92790C104	1,382	67,400	SH	SOLE	67,400	0	0
VIRTU FINL INC	CL A	928254101	4,409	212,300	SH	SOLE	212,300	0	0
VIRTUS INVT PARTNERS INC	COM	92828Q109	2,824	17,700	SH	SOLE	17,700	0	0
VISA INC	COM CL A	92826C839	1,267,039	7,132,219	SH	SOLE	7,132,219	0	0
VISHAY INTERTECHNOLOGY INC	COM	928298108	5,565	312,800	SH	SOLE	312,800	0	0
VISHAY PRECISION GROUP INC	COM	92835K103	882	29,800	SH	SOLE	29,800	0	0
VISTA OUTDOOR INC	COM	928377100	3,259	134,000	SH	SOLE	134,000	0	0
VISTEON CORP	COM NEW	92839U206	7,074	66,700	SH	SOLE	66,700	0	0
VISTRA CORP	COM	92840M102	35,371	1,684,357	SH	SOLE	1,684,357	0	0
VITAL FARMS INC	COM	92847W103	569	47,500	SH	SOLE	47,500	0	0
VIVID SEATS INC	COM CL A	92854T100	432	56,400	SH	SOLE	56,400	0	0
VIVINT SMART HOME INC	COM CL A	928542109	647	98,400	SH	SOLE	98,400	0	0
VMWARE INC	CL A COM	928563402	97,211	913,118	SH	SOLE	913,118	0	0
VOLTA INC	COM CL A	92873V102	327	270,100	SH	SOLE	270,100	0	0
VONTIER CORPORATION	COM	928881101	6,380	381,800	SH	SOLE	381,800	0	0
VORNADO RLTY TR	SH BEN INT	929042109	16,311	704,270	SH	SOLE	704,270	0	0
VOYA FINANCIAL INC	COM	929089100	14,659	242,300	SH	SOLE	242,300	0	0
VULCAN MATLS CO	COM	929160109	90,739	575,352	SH	SOLE	575,352	0	0
VUZIX CORP	COM NEW	92921W300	827	142,900	SH	SOLE	142,900	0	0
W & T OFFSHORE INC	COM	92922P106	1,382	235,900	SH	SOLE	235,900	0	0
WABASH NATL CORP	COM	929566107	1,810	116,300	SH	SOLE	116,300	0	0
WABTEC	COM	929740108	61,179	752,051	SH	SOLE	752,051	0	0
WALGREENS BOOTS ALLIANCE INC	COM	931427108	99,816	3,178,863	SH	SOLE	3,178,863	0	0
WALKER & DUNLOP INC	COM	93148P102	6,246	74,600	SH	SOLE	74,600	0	0
WALMART INC	COM	931142103	851,037	6,561,583	SH	SOLE	6,561,583	0	0
WARBY PARKER INC	CL A COM	93403J106	2,096	157,100	SH	SOLE	157,100	0	0
WARNER BROS DISCOVERY INC	COM SER A	934423104	114,903	9,991,579	SH	SOLE	9,991,579	0	0
WARRIOR MET COAL INC	COM	93627C101	3,484	122,500	SH	SOLE	122,500	0	0

WASHINGTON FED INC	COM	938824109	4,644	154,900	SH	SOLE	154,900	0	0
WASHINGTON REAL ESTATE INVT	SH BEN INT	939653101	3,640	207,300	SH	SOLE	207,300	0	0
WASHINGTON TR BANCORP INC	COM	940610108	1,906	41,000	SH	SOLE	41,000	0	0
WASTE CONNECTIONS INC	COM	94106B101	150,634	1,114,733	SH	SOLE	1,114,733	0	0
WASTE MGMT INC DEL	COM	94106L109	288,234	1,799,102	SH	SOLE	1,799,102	0	0
WATERS CORP	COM	941848103	70,350	261,011	SH	SOLE	261,011	0	0
WATERSTONE FINL INC MD	COM	94188P101	769	47,600	SH	SOLE	47,600	0	0
WATSCO INC	COM	942622200	20,248	78,644	SH	SOLE	78,644	0	0
WATTS WATER TECHNOLOGIES INC	CL A	942749102	8,172	65,000	SH	SOLE	65,000	0	0
WAYFAIR INC	CL A	94419L101	10,630	326,577	SH	SOLE	326,577	0	0
WD 40 CO	COM	929236107	5,694	32,400	SH	SOLE	32,400	0	0
WEATHERFORD INTL PLC	ORD SHS	G48833118	4,588	142,100	SH	SOLE	142,100	0	0
WEBER INC	CL A	94770D102	244	37,200	SH	SOLE	37,200	0	0
WEC ENERGY GROUP INC	COM	92939U106	122,191	1,366,335	SH	SOLE	1,366,335	0	0
WEIBO CORP	SPONSORED ADR	948596101	2,786	162,923	SH	SOLE	162,923	0	0
WEIS MKTS INC	COM	948849104	2,714	38,100	SH	SOLE	38,100	0	0
WELLTOWER INC	COM	95040Q104	126,542	1,967,380	SH	SOLE	1,967,380	0	0
WENDYS CO	COM	95058W100	8,070	431,800	SH	SOLE	431,800	0	0
WERNER ENTERPRISES INC	COM	950755108	5,219	138,800	SH	SOLE	138,800	0	0
WESBANCO INC	COM	950810101	4,770	142,945	SH	SOLE	142,945	0	0
WESCO INTL INC	COM	95082P105	12,926	108,275	SH	SOLE	108,275	0	0
WEST FRASER TIMBER CO LTD	COM	952845105	20,094	275,538	SH	SOLE	275,538	0	0
WEST PHARMACEUTICAL SVSC INC	COM	955306105	78,986	320,975	SH	SOLE	320,975	0	0
WESTAMERICA BANCORPORATION	COM	957090103	3,326	63,600	SH	SOLE	63,600	0	0
WESTERN ALLIANCE BANCORP	COM	957638109	16,882	256,800	SH	SOLE	256,800	0	0
WESTERN DIGITAL CORP.	COM	958102105	44,122	1,355,526	SH	SOLE	1,355,526	0	0
WESTERN UN CO	COM	959802109	22,610	1,674,822	SH	SOLE	1,674,822	0	0
WESTLAKE CORPORATION	COM	960413102	14,466	166,500	SH	SOLE	166,500	0	0
WESTROCK CO	COM	96145D105	34,119	1,104,540	SH	SOLE	1,104,540	0	0
WEWORK INC	CL A	96209A104	1,100	415,100	SH	SOLE	415,100	0	0
WEX INC	COM	96208T104	13,548	106,726	SH	SOLE	106,726	0	0
WEYERHAEUSER CO MTN BE	COM NEW	962166104	92,127	3,225,746	SH	SOLE	3,225,746	0	0
WHEATON PRECIOUS METALS CORP	COM	962879102	66,287	2,030,700	SH	SOLE	2,030,700	0	0
WHEELS UP EXPERIENCE INC	COM CL A	96328L106	165	143,900	SH	SOLE	143,900	0	0
WHIRLPOOL CORP	COM	963320106	32,839	243,595	SH	SOLE	243,595	0	0
WHITE MTNS INS GROUP LTD	COM	G9618E107	7,878	6,046	SH	SOLE	6,046	0	0
WHITESTONE REIT	COM	966084204	931	110,000	SH	SOLE	110,000	0	0
WIDEOPENWEST INC	COM	96758W101	1,533	124,900	SH	SOLE	124,900	0	0
WILEY JOHN & SONS INC	CL A	968223206	3,948	105,100	SH	SOLE	105,100	0	0

WILLDAN GROUP INC	COM	96924N100	440	29,700	SH	SOLE	29,700	0	0
WILLIAMS COS INC	COM	969457100	151,121	5,278,397	SH	SOLE	5,278,397	0	0
WILLIAMS SONOMA INC	COM	969904101	19,575	166,100	SH	SOLE	166,100	0	0
WILLIS TOWERS WATSON PLC LTD	SHS	G96629103	97,100	483,229	SH	SOLE	483,229	0	0
WILLSCOT MOBIL MINI HLDNG CO	COM CL A	971378104	21,282	527,693	SH	SOLE	527,693	0	0
WINGSTOP INC	COM	974155103	8,880	70,800	SH	SOLE	70,800	0	0
WINMARK CORP	COM	974250102	1,514	7,000	SH	SOLE	7,000	0	0
WINNEBAGO INDS INC	COM	974637100	3,927	73,800	SH	SOLE	73,800	0	0
WINTRUST FINL CORP	COM	97650W108	11,072	135,767	SH	SOLE	135,767	0	0
WISDOMTREE INVTs INC	COM	97717P104	1,220	260,700	SH	SOLE	260,700	0	0
WIX COM LTD	SHS	M98068105	19,005	242,933	SH	SOLE	242,933	0	0
WM TECHNOLOGY INC	COM	92971A109	263	163,300	SH	SOLE	163,300	0	0
WOLFSPEED INC	COM	977852102	30,299	293,141	SH	SOLE	293,141	0	0
WOLVERINE WORLD WIDE INC	COM	978097103	2,946	191,400	SH	SOLE	191,400	0	0
WOODWARD INC	COM	980745103	10,964	136,600	SH	SOLE	136,600	0	0
WORKDAY INC	CL A	98138H101	131,271	862,375	SH	SOLE	862,375	0	0
WORKHORSE GROUP INC	COM NEW	98138J206	1,113	387,700	SH	SOLE	387,700	0	0
WORKIVA INC	COM CL A	98139A105	8,443	108,521	SH	SOLE	108,521	0	0
WORLD ACCEP CORPORATION	COM	981419104	794	8,200	SH	SOLE	8,200	0	0
WORLD FUEL SVCS CORP	COM	981475106	3,502	149,400	SH	SOLE	149,400	0	0
WORLD WRESTLING ENTMT INC	CL A	98156Q108	7,192	102,500	SH	SOLE	102,500	0	0
WORTHINGTON INDS INC	COM	981811102	2,948	77,300	SH	SOLE	77,300	0	0
WP CAREY INC	COM	92936U109	58,345	835,894	SH	SOLE	835,894	0	0
WSFS FINL CORP	COM	929328102	7,124	153,340	SH	SOLE	153,340	0	0
WW INTL INC	COM	98262P101	519	132,000	SH	SOLE	132,000	0	0
WYNDHAM HOTELS & RESORTS INC	COM	98311A105	13,399	218,400	SH	SOLE	218,400	0	0
WYNN RESORTS LTD	COM	983134107	30,049	476,745	SH	SOLE	476,745	0	0
XCEL ENERGY INC	COM	98389B100	151,066	2,360,403	SH	SOLE	2,360,403	0	0
XENCOR INC	COM	98401F105	3,484	134,100	SH	SOLE	134,100	0	0
XENIA HOTELS & RESORTS INC	COM	984017103	3,740	271,180	SH	SOLE	271,180	0	0
XENON PHARMACEUTICALS INC	COM	98420N105	3,913	108,400	SH	SOLE	108,400	0	0
XEROX HOLDINGS CORP	COM NEW	98421M106	3,613	276,200	SH	SOLE	276,200	0	0
XOMETRY INC	CLASS A COM	98423F109	1,789	31,500	SH	SOLE	31,500	0	0
XPEL INC	COM	98379L100	2,938	45,600	SH	SOLE	45,600	0	0
XPENG INC	ADS	98422D105	13,482	1,128,232	SH	SOLE	1,128,232	0	0
XPERI HOLDING CORP	COM	98390M103	3,496	247,246	SH	SOLE	247,246	0	0
XPO LOGISTICS INC	COM	983793100	10,930	245,500	SH	SOLE	245,500	0	0
XYLEM INC	COM	98419M100	68,140	779,990	SH	SOLE	779,990	0	0
YAMANA GOLD INC	COM	98462Y100	10,465	2,294,500	SH	SOLE	2,294,500	0	0
YELP INC	CL A	985817105	5,699	168,064	SH	SOLE	168,064	0	0
YETI HLDGS INC	COM	98585X104	5,827	204,300	SH	SOLE	204,300	0	0
YEXT INC	COM	98585N106	1,103	247,400	SH	SOLE	247,400	0	0

Y-MABS THERAPEUTICS INC	COM	984241109	1,112	77,100	SH	SOLE	77,100	0	0
YORK WTR CO	COM	987184108	1,299	33,800	SH	SOLE	33,800	0	0
YUM BRANDS INC	COM	988498101	131,413	1,235,784	SH	SOLE	1,235,784	0	0
YUM CHINA HLDGS INC	COM	98850P109	54,810	1,158,048	SH	SOLE	1,158,048	0	0
ZAI LAB LTD	ADR	98887Q104	7,585	221,771	SH	SOLE	221,771	0	0
ZEBRA TECHNOLOGIES CORPORATI	CL A	989207105	59,654	227,679	SH	SOLE	227,679	0	0
ZENDESK INC	COM	98936J101	40,374	530,533	SH	SOLE	530,533	0	0
ZENTALIS PHARMACEUTICALS INC	COM	98943L107	2,339	108,000	SH	SOLE	108,000	0	0
ZETA GLOBAL HOLDINGS CORP	CL A	98956A105	1,692	256,000	SH	SOLE	256,000	0	0
ZIFF DAVIS INC	COM	48123V102	7,295	106,531	SH	SOLE	106,531	0	0
ZILLOW GROUP INC	CL C CAP STK	98954M200	20,099	702,529	SH	SOLE	702,529	0	0
ZIM INTEGRATED SHIPPING SERV	SHS	M9T951109	8,418	358,200	SH	SOLE	358,200	0	0
ZIMMER BIOMET HOLDINGS INC	COM	98956P102	94,970	908,365	SH	SOLE	908,365	0	0
ZIMVIE INC	COM	98888T107	490	49,600	SH	SOLE	49,600	0	0
ZIONS BANCORPORATION N A	COM	989701107	18,254	358,900	SH	SOLE	358,900	0	0
ZIPRECRUITER INC	CL A	98980B103	1,541	93,400	SH	SOLE	93,400	0	0
ZOETIS INC	CL A	98978V103	302,450	2,039,587	SH	SOLE	2,039,587	0	0
ZOOM VIDEO COMMUNICATIONS IN	CL A	98980L101	72,247	981,750	SH	SOLE	981,750	0	0
ZOOMINFO TECHNOLOGIES INC	COMMON STOCK	98980F104	47,283	1,134,968	SH	SOLE	1,134,968	0	0
ZSCALER INC	COM	98980G102	60,303	366,875	SH	SOLE	366,875	0	0
ZTO EXPRESS CAYMAN INC	SPONSORED ADS A	98980A105	28,353	1,179,905	SH	SOLE	1,179,905	0	0
ZUMIEZ INC	COM	989817101	844	39,200	SH	SOLE	39,200	0	0
ZUORA INC	COM CL A	98983V106	2,120	287,200	SH	SOLE	287,200	0	0
ZURN ELKAY WATER SOLNS CORP	COM	98983L108	7,318	298,700	SH	SOLE	298,700	0	0
Hippo Holdings Inc	COM NEW	433539202	493	26,608	SH	SOLE	26,608	0	0