

U.S. Large Cap Equity Portfolio

As of March 31, 2018 (Updated Monthly)

Source: State Street

Holdings are subject to change. The information below represents the portfolio's holdings (excluding cash and cash equivalents) as of the date indicated, and may not be representative of the current or future investments of the portfolio. The information below should not be relied upon by the reader as research or investment advice regarding any security. This listing of portfolio holdings is for informational purposes only and should not be deemed a recommendation to buy the securities. The holdings information below does not constitute an offer to sell or a solicitation of an offer to buy any security. The holdings information has not been audited.

By viewing this listing of portfolio holdings, you are agreeing to not redistribute the information and to not misuse this information to the detriment of portfolio shareholders. Misuse of this information includes, but is not limited to, (i) purchasing or selling any securities listed in the portfolio holdings solely in reliance upon this information; (ii) trading against any of the portfolios or (iii) knowingly engaging in any trading practices that are damaging to Dimensional or one of the portfolios.

Investors should consider the portfolio's investment objectives, risks, and charges and expenses, which are contained in the Prospectus. Investors should read it carefully before investing.

Your use of this website signifies that you agree to follow and be bound by the terms and conditions of use in the Legal Notices.

Row Id	Security Name	Notional Amount USD	Market Value USD	Asset Weight	Cumulative Weight
Equity			1,353,721,919.23		100.000%
1	APPLE INC COMMON STOCK USD.00001		41,682,759.86	3.079%	3.079%
2	MICROSOFT CORP COMMON STOCK USD.00000625		34,084,142.61	2.518%	5.597%
3	AMAZON.COM INC COMMON STOCK USD.01		32,405,942.60	2.394%	7.991%
4	JPMORGAN CHASE + CO COMMON STOCK USD1.0		19,949,987.61	1.474%	9.464%
5	JOHNSON + JOHNSON COMMON STOCK USD1.0		19,452,272.95	1.437%	10.901%
6	FACEBOOK INC A COMMON STOCK USD.000006		15,797,158.98	1.167%	12.068%
7	INTEL CORP COMMON STOCK USD.001		15,158,196.48	1.120%	13.188%
8	AT+T INC COMMON STOCK USD1.0		14,617,141.70	1.080%	14.268%
9	ALPHABET INC CL C COMMON STOCK USD.001		14,182,985.34	1.048%	15.316%
10	ALPHABET INC CL A COMMON STOCK USD.001		13,425,777.30	0.992%	16.307%
11	PFIZER INC COMMON STOCK USD.05		13,048,785.75	0.964%	17.271%
12	EXXON MOBIL CORP COMMON STOCK		12,961,696.86	0.957%	18.229%
13	WELLS FARGO + CO COMMON STOCK USD1.666		12,866,392.95	0.950%	19.179%
14	BANK OF AMERICA CORP COMMON STOCK USD.01		12,256,433.16	0.905%	20.085%
15	BERKSHIRE HATHAWAY INC CL B COMMON STOCK USD.0033		12,100,656.28	0.894%	20.978%
16	COMCAST CORP CLASS A COMMON STOCK USD.01		11,421,766.71	0.844%	21.822%
17	HOME DEPOT INC COMMON STOCK USD.05		11,337,668.16	0.838%	22.660%
18	WALT DISNEY CO/THE COMMON STOCK USD.01		10,956,396.96	0.809%	23.469%
19	VERIZON COMMUNICATIONS INC COMMON STOCK USD.1		10,809,663.18	0.799%	24.268%
20	UNITEDHEALTH GROUP INC COMMON STOCK USD.01		10,801,650.00	0.798%	25.066%
21	CISCO SYSTEMS INC COMMON STOCK USD.001		10,772,895.75	0.796%	25.861%

Row Id	Security Name	Notional Amount USD	Market Value USD	Asset Weight	Cumulative Weight
Equity			1,353,721,919.23		100.000%
22	VISA INC CLASS A SHARES COMMON STOCK USD.0001		10,183,130.98	0.752%	26.614%
23	BOEING CO/THE COMMON STOCK USD5.0		10,014,766.72	0.740%	27.353%
24	PROCTER + GAMBLE CO/THE COMMON STOCK		9,884,234.00	0.730%	28.084%
25	WALMART INC COMMON STOCK USD.1		9,608,137.21	0.710%	28.793%
26	MASTERCARD INC A COMMON STOCK USD.0001		8,888,143.88	0.657%	29.450%
27	PEPSICO INC COMMON STOCK USD.017		8,395,927.15	0.620%	30.070%
28	COCA COLA CO/THE COMMON STOCK USD.25		8,268,811.42	0.611%	30.681%
29	ABBVIE INC COMMON STOCK USD.01		8,213,632.35	0.607%	31.288%
30	CHEVRON CORP COMMON STOCK USD.75		8,199,133.88	0.606%	31.893%
31	MERCK + CO. INC. COMMON STOCK USD.5		7,465,494.79	0.551%	32.445%
32	AMGEN INC COMMON STOCK USD.0001		7,326,548.48	0.541%	32.986%
33	INTL BUSINESS MACHINES CORP COMMON STOCK USD.2		7,317,690.42	0.541%	33.527%
34	GILEAD SCIENCES INC COMMON STOCK USD.001		7,191,527.49	0.531%	34.058%
35	ORACLE CORP COMMON STOCK USD.01		7,139,013.00	0.527%	34.585%
36	3M CO COMMON STOCK USD.01		7,063,934.08	0.522%	35.107%
37	NVIDIA CORP COMMON STOCK USD.001		6,670,023.59	0.493%	35.600%
38	ALTRIA GROUP INC COMMON STOCK USD.333		6,432,047.20	0.475%	36.075%
39	UNION PACIFIC CORP COMMON STOCK USD2.5		6,270,890.64	0.463%	36.538%
40	HONEYWELL INTERNATIONAL INC COMMON STOCK USD1.0		6,156,559.53	0.455%	36.993%
41	DOWDUPONT INC COMMON STOCK USD.01		5,916,811.41	0.437%	37.430%
42	PHILIP MORRIS INTERNATIONAL COMMON STOCK		5,820,963.40	0.430%	37.860%
43	UNITED TECHNOLOGIES CORP COMMON STOCK USD1.0		5,805,963.90	0.429%	38.289%
44	CITIGROUP INC COMMON STOCK USD.01		5,776,717.50	0.427%	38.716%
45	TEXAS INSTRUMENTS INC COMMON STOCK USD1.0		5,552,504.94	0.410%	39.126%
46	ACCENTURE PLC CL A COMMON STOCK USD.0000225		5,114,006.00	0.378%	39.503%
47	MCDONALD S CORP COMMON STOCK USD.01		5,073,279.96	0.375%	39.878%
48	CATERPILLAR INC COMMON STOCK USD1.0		5,050,859.98	0.373%	40.251%
49	BROADCOM LTD COMMON STOCK		4,997,900.85	0.369%	40.621%
50	MICRON TECHNOLOGY INC COMMON STOCK USD.1		4,904,809.80	0.362%	40.983%
51	AMERICAN EXPRESS CO COMMON STOCK USD.2		4,867,536.96	0.360%	41.342%
52	LOCKHEED MARTIN CORP COMMON STOCK USD1.0		4,708,040.76	0.348%	41.690%
53	GOLDMAN SACHS GROUP INC COMMON STOCK USD.01		4,558,162.28	0.337%	42.027%
54	QUALCOMM INC COMMON STOCK USD.0001		4,550,767.89	0.336%	42.363%
55	ABBOTT LABORATORIES COMMON STOCK		4,502,089.20	0.333%	42.696%
56	BRISTOL MYERS SQUIBB CO COMMON STOCK USD.1		4,448,056.25	0.329%	43.024%
57	US BANCORP COMMON STOCK USD.01		4,385,470.50	0.324%	43.348%
58	STARBUCKS CORP COMMON STOCK USD.001		4,353,501.67	0.322%	43.670%
59	FEDEX CORP COMMON STOCK USD.1		4,349,112.43	0.321%	43.991%

Row Id	Security Name	Notional Amount USD	Market Value USD	Asset Weight	Cumulative Weight
Equity		1,353,721,919.23			100.000%
60	ADOBE SYSTEMS INC COMMON STOCK USD.0001		4,323,112.56	0.319%	44.310%
61	THERMO FISHER SCIENTIFIC INC COMMON STOCK USD1.0		4,322,446.56	0.319%	44.630%
62	NETFLIX INC COMMON STOCK USD.001		4,271,351.70	0.316%	44.945%
63	NIKE INC CL B COMMON STOCK USD1.0		4,129,843.96	0.305%	45.250%
64	BOOKING HOLDINGS INC COMMON STOCK USD.008		4,117,091.81	0.304%	45.554%
65	CHARTER COMMUNICATIONS INC A COMMON STOCK USD.001		4,010,069.70	0.296%	45.851%
66	LOWE S COS INC COMMON STOCK USD.5		3,893,116.50	0.288%	46.138%
67	COSTCO WHOLESALE CORP COMMON STOCK USD.005		3,892,586.94	0.288%	46.426%
68	UNITED PARCEL SERVICE CL B COMMON STOCK USD.01		3,840,917.34	0.284%	46.710%
69	GENERAL ELECTRIC CO COMMON STOCK USD.06		3,733,960.00	0.276%	46.985%
70	GENERAL MOTORS CO COMMON STOCK USD.01		3,677,099.24	0.272%	47.257%
71	SCHLUMBERGER LTD COMMON STOCK USD.01		3,586,415.14	0.265%	47.522%
72	PAYPAL HOLDINGS INC COMMON STOCK USD.0001		3,552,840.36	0.262%	47.784%
73	CVS HEALTH CORP COMMON STOCK USD.01		3,536,887.34	0.261%	48.046%
74	BIOGEN INC COMMON STOCK USD.0005		3,458,072.78	0.255%	48.301%
75	TIME WARNER INC COMMON STOCK USD.01		3,350,685.66	0.248%	48.549%
76	MEDTRONIC PLC COMMON STOCK USD.1		3,266,718.84	0.241%	48.790%
77	BLACKROCK INC COMMON STOCK USD.01		3,263,863.00	0.241%	49.031%
78	ELI LILLY + CO COMMON STOCK		3,254,336.94	0.240%	49.271%
79	UNITED CONTINENTAL HOLDINGS COMMON STOCK USD.01		3,193,188.55	0.236%	49.507%
80	GENERAL DYNAMICS CORP COMMON STOCK USD1.0		3,154,893.80	0.233%	49.740%
81	DELTA AIR LINES INC COMMON STOCK USD.0001		3,117,483.18	0.230%	49.971%
82	NEXTERA ENERGY INC COMMON STOCK USD.01		3,107,843.24	0.230%	50.200%
83	APPLIED MATERIALS INC COMMON STOCK USD.01		3,031,523.54	0.224%	50.424%
84	CELGENE CORP COMMON STOCK USD.01		3,024,575.84	0.223%	50.648%
85	CSX CORP COMMON STOCK USD1.0		3,015,638.01	0.223%	50.870%
86	EOG RESOURCES INC COMMON STOCK USD.01		2,998,300.14	0.221%	51.092%
87	KROGER CO COMMON STOCK USD1.0		2,989,986.30	0.221%	51.313%
88	RAYTHEON COMPANY COMMON STOCK USD.01		2,978,100.18	0.220%	51.533%
89	NORTHROP GRUMMAN CORP COMMON STOCK USD1.0		2,952,507.84	0.218%	51.751%
90	ANTHEM INC COMMON STOCK USD.01		2,947,495.20	0.218%	51.969%
91	PNC FINANCIAL SERVICES GROUP COMMON STOCK USD5.0		2,917,419.60	0.216%	52.184%
92	TARGET CORP COMMON STOCK USD.0833		2,897,036.18	0.214%	52.398%
93	CONOCOPHILLIPS COMMON STOCK USD.01		2,867,560.85	0.212%	52.610%
94	BEST BUY CO INC COMMON STOCK USD.1		2,859,511.44	0.211%	52.821%
95	WALGREENS BOOTS ALLIANCE INC COMMON STOCK USD.01		2,850,367.39	0.211%	53.032%
96	AETNA INC COMMON STOCK USD.01		2,826,863.00	0.209%	53.240%
97	EXPRESS SCRIPTS HOLDING CO COMMON STOCK USD.01		2,826,200.96	0.209%	53.449%

Row Id	Security Name	Notional Amount USD	Market Value USD	Asset Weight	Cumulative Weight
Equity		1,353,721,919.23			100.000%
98	TJX COMPANIES INC COMMON STOCK USD1.0		2,790,738.52	0.206%	53.655%
99	AUTOMATIC DATA PROCESSING COMMON STOCK USD.1		2,772,429.88	0.205%	53.860%
100	STRYKER CORP COMMON STOCK USD.1		2,766,375.72	0.204%	54.065%
101	BANK OF NEW YORK MELLON CORP COMMON STOCK USD.01		2,715,579.47	0.201%	54.265%
102	FORD MOTOR CO COMMON STOCK USD.01		2,707,963.08	0.200%	54.465%
103	S+P GLOBAL INC COMMON STOCK USD1.0		2,656,307.18	0.196%	54.661%
104	SCHWAB (CHARLES) CORP COMMON STOCK USD.01		2,642,697.54	0.195%	54.857%
105	DEERE + CO COMMON STOCK USD1.0		2,580,331.16	0.191%	55.047%
106	COLGATE PALMOLIVE CO COMMON STOCK USD1.0		2,552,166.40	0.189%	55.236%
107	ILLINOIS TOOL WORKS COMMON STOCK USD.01		2,523,322.62	0.186%	55.422%
108	FREEMONT MCMORAN INC COMMON STOCK USD.1		2,500,035.30	0.185%	55.607%
109	MARSH + MCLENNAN COS COMMON STOCK USD1.0		2,449,123.86	0.181%	55.788%
110	MARATHON PETROLEUM CORP COMMON STOCK		2,439,022.71	0.180%	55.968%
111	TRAVELERS COS INC/THE COMMON STOCK		2,412,414.78	0.178%	56.146%
112	TWENTY FIRST CENTURY FOX A COMMON STOCK USD.01		2,404,662.60	0.178%	56.324%
113	OCCIDENTAL PETROLEUM CORP COMMON STOCK USD.2		2,396,894.08	0.177%	56.501%
114	DOLLAR TREE INC COMMON STOCK USD.01		2,373,259.20	0.175%	56.676%
115	NORFOLK SOUTHERN CORP COMMON STOCK USD1.0		2,352,524.28	0.174%	56.850%
116	MORGAN STANLEY COMMON STOCK USD.01		2,340,137.28	0.173%	57.023%
117	T ROWE PRICE GROUP INC COMMON STOCK USD.2		2,339,709.90	0.173%	57.196%
118	CME GROUP INC COMMON STOCK USD.01		2,319,675.08	0.171%	57.367%
119	SOUTHWEST AIRLINES CO COMMON STOCK USD1.0		2,313,195.52	0.171%	57.538%
120	EMERSON ELECTRIC CO COMMON STOCK USD.5		2,275,824.30	0.168%	57.706%
121	INTUIT INC COMMON STOCK USD.01		2,238,641.90	0.165%	57.871%
122	BECTON DICKINSON AND CO COMMON STOCK USD1.0		2,198,638.20	0.162%	58.034%
123	HUMANA INC COMMON STOCK USD.166		2,191,770.99	0.162%	58.196%
124	ZOETIS INC COMMON STOCK USD.01		2,177,690.27	0.161%	58.357%
125	NUCOR CORP COMMON STOCK USD.4		2,157,576.62	0.159%	58.516%
126	LYONDELLBASELL INDU CL A COMMON STOCK EUR.04		2,155,977.68	0.159%	58.675%
127	VALERO ENERGY CORP COMMON STOCK USD.01		2,146,697.80	0.159%	58.834%
128	CAPITAL ONE FINANCIAL CORP COMMON STOCK USD.01		2,136,977.64	0.158%	58.992%
129	ACTIVISION BLIZZARD INC COMMON STOCK USD.000001		2,105,021.84	0.155%	59.147%
130	CIGNA CORP COMMON STOCK USD.25		2,098,091.92	0.155%	59.302%
131	ROCKWELL COLLINS INC COMMON STOCK USD.01		2,097,456.90	0.155%	59.457%
132	MONDELEZ INTERNATIONAL INC A COMMON STOCK		2,088,503.04	0.154%	59.611%
133	AMERICAN INTERNATIONAL GROUP COMMON STOCK USD2.5		2,088,421.92	0.154%	59.766%
134	COGNIZANT TECH SOLUTIONS A COMMON STOCK USD.01		2,080,039.50	0.154%	59.919%
135	CONSTELLATION BRANDS INC A COMMON STOCK USD.01		2,061,536.40	0.152%	60.072%

Row Id	Security Name	Notional Amount USD	Market Value USD	Asset Weight	Cumulative Weight
Equity			1,353,721,919.23		100.000%
136	DUKE ENERGY CORP COMMON STOCK USD.001		2,061,321.76	0.152%	60.224%
137	DANAHER CORP COMMON STOCK USD.01		2,055,914.18	0.152%	60.376%
138	TE CONNECTIVITY LTD COMMON STOCK CHF.57		2,045,052.90	0.151%	60.527%
139	SALESFORCE.COM INC COMMON STOCK USD.001		2,025,480.80	0.150%	60.676%
140	DEVON ENERGY CORP COMMON STOCK USD.1		2,018,537.84	0.149%	60.826%
141	ECOLAB INC COMMON STOCK USD1.0		2,010,953.97	0.149%	60.974%
142	EBAY INC COMMON STOCK USD.001		2,003,308.16	0.148%	61.122%
143	MARRIOTT INTERNATIONAL CL A COMMON STOCK USD.01		1,999,313.94	0.148%	61.270%
144	KIMBERLY CLARK CORP COMMON STOCK USD1.25		1,970,556.09	0.146%	61.415%
145	FIDELITY NATIONAL INFO SERV COMMON STOCK USD.01		1,952,675.10	0.144%	61.560%
146	HALLIBURTON CO COMMON STOCK USD2.5		1,930,266.68	0.143%	61.702%
147	WASTE MANAGEMENT INC COMMON STOCK USD.01		1,922,899.08	0.142%	61.844%
148	CHUBB LTD COMMON STOCK		1,922,028.81	0.142%	61.986%
149	CENTURYLINK INC COMMON STOCK USD1.0		1,916,362.34	0.142%	62.128%
150	EASTMAN CHEMICAL CO COMMON STOCK USD.01		1,909,203.14	0.141%	62.269%
151	NEWMONT MINING CORP COMMON STOCK USD1.6		1,891,027.07	0.140%	62.408%
152	MOLSON COORS BREWING CO B COMMON STOCK USD.01		1,872,929.79	0.138%	62.547%
153	EATON CORP PLC COMMON STOCK USD.01		1,863,261.47	0.138%	62.684%
154	LAM RESEARCH CORP COMMON STOCK USD.001		1,851,193.92	0.137%	62.821%
155	MGM RESORTS INTERNATIONAL COMMON STOCK USD.01		1,845,554.00	0.136%	62.958%
156	LABORATORY CRP OF AMER HLDGS COMMON STOCK USD.1		1,843,464.75	0.136%	63.094%
157	PROGRESSIVE CORP COMMON STOCK USD1.0		1,837,161.36	0.136%	63.229%
158	PRUDENTIAL FINANCIAL INC COMMON STOCK USD.01		1,827,761.05	0.135%	63.364%
159	ALLERGAN PLC COMMON STOCK USD.0033		1,823,758.73	0.135%	63.499%
160	ALLSTATE CORP COMMON STOCK USD.01		1,823,193.60	0.135%	63.634%
161	HOLOGIC INC COMMON STOCK USD.01		1,804,375.92	0.133%	63.767%
162	AFLAC INC COMMON STOCK USD.1		1,792,584.64	0.132%	63.900%
163	ANDEAVOR COMMON STOCK USD.167		1,792,280.88	0.132%	64.032%
164	IQVIA HOLDINGS INC COMMON STOCK USD.01		1,790,213.17	0.132%	64.164%
165	SHERWIN WILLIAMS CO/THE COMMON STOCK USD1.0		1,785,714.48	0.132%	64.296%
166	MOHAWK INDUSTRIES INC COMMON STOCK USD.01		1,782,520.72	0.132%	64.428%
167	DAVITA INC COMMON STOCK USD.001		1,766,862.30	0.131%	64.558%
168	DOMINION ENERGY INC COMMON STOCK		1,759,788.14	0.130%	64.688%
169	AIR PRODUCTS + CHEMICALS INC COMMON STOCK USD1.0		1,758,076.65	0.130%	64.818%
170	BOSTON SCIENTIFIC CORP COMMON STOCK USD.01		1,755,064.12	0.130%	64.948%
171	BB+T CORP COMMON STOCK USD5.0		1,751,354.16	0.129%	65.077%
172	CENTENE CORP COMMON STOCK USD.001		1,749,996.25	0.129%	65.206%
173	HORMEL FOODS CORP COMMON STOCK USD.01465		1,748,123.52	0.129%	65.336%

Row Id	Security Name	Notional Amount USD	Market Value USD	Asset Weight	Cumulative Weight
Equity			1,353,721,919.23		100.000%
174	DOLLAR GENERAL CORP COMMON STOCK USD.875		1,729,458.85	0.128%	65.463%
175	MCKESSON CORP COMMON STOCK USD.01		1,701,850.47	0.126%	65.589%
176	HARRIS CORP COMMON STOCK USD1.0		1,679,731.20	0.124%	65.713%
177	MONSANTO CO COMMON STOCK USD.01		1,676,601.92	0.124%	65.837%
178	DISCOVER FINANCIAL SERVICES COMMON STOCK USD.01		1,675,393.56	0.124%	65.961%
179	AMERIPRISE FINANCIAL INC COMMON STOCK USD.01		1,663,733.24	0.123%	66.084%
180	PRINCIPAL FINANCIAL GROUP COMMON STOCK USD.01		1,663,634.83	0.123%	66.207%
181	PPG INDUSTRIES INC COMMON STOCK USD1.67		1,659,380.40	0.123%	66.329%
182	PACCAR INC COMMON STOCK USD1.0		1,656,764.46	0.122%	66.452%
183	AON PLC COMMON STOCK USD.01		1,651,964.76	0.122%	66.574%
184	GAP INC/THE COMMON STOCK USD.05		1,634,724.00	0.121%	66.694%
185	MICROCHIP TECHNOLOGY INC COMMON STOCK USD.001		1,625,751.20	0.120%	66.814%
186	REGIONS FINANCIAL CORP COMMON STOCK USD.01		1,623,260.28	0.120%	66.934%
187	DOVER CORP COMMON STOCK USD1.0		1,617,290.52	0.119%	67.054%
188	TEXTRON INC COMMON STOCK USD.125		1,615,601.09	0.119%	67.173%
189	METLIFE INC COMMON STOCK USD.01		1,612,161.59	0.119%	67.292%
190	LEAR CORP COMMON STOCK USD.01		1,593,116.49	0.118%	67.410%
191	SYSCO CORP COMMON STOCK USD1.0		1,592,957.32	0.118%	67.528%
192	BAXTER INTERNATIONAL INC COMMON STOCK USD1.0		1,575,203.76	0.116%	67.644%
193	SKYWORKS SOLUTIONS INC COMMON STOCK USD.25		1,571,074.20	0.116%	67.760%
194	ROSS STORES INC COMMON STOCK USD.01		1,567,631.94	0.116%	67.876%
195	FISERV INC COMMON STOCK USD.01		1,564,256.16	0.116%	67.991%
196	L3 TECHNOLOGIES INC COMMON STOCK USD.01		1,564,160.00	0.116%	68.107%
197	HUNTINGTON BANCSHARES INC COMMON STOCK USD.01		1,557,459.30	0.115%	68.222%
198	JOHNSON CONTROLS INTERNATION COMMON STOCK USD.01		1,552,462.96	0.115%	68.337%
199	ESTEE LAUDER COMPANIES CL A COMMON STOCK USD.01		1,531,785.32	0.113%	68.450%
200	INTUITIVE SURGICAL INC COMMON STOCK USD.001		1,530,360.81	0.113%	68.563%
201	LAS VEGAS SANDS CORP COMMON STOCK USD.001		1,526,077.50	0.113%	68.676%
202	CUMMINS INC COMMON STOCK USD2.5		1,526,077.35	0.113%	68.788%
203	KINDER MORGAN INC COMMON STOCK USD.01		1,519,584.12	0.112%	68.901%
204	TWITTER INC COMMON STOCK USD.000005		1,517,310.03	0.112%	69.013%
205	PRAXAIR INC COMMON STOCK USD.01		1,516,448.70	0.112%	69.125%
206	DR HORTON INC COMMON STOCK USD.01		1,514,847.36	0.112%	69.237%
207	XPO LOGISTICS INC COMMON STOCK USD.001		1,509,536.87	0.112%	69.348%
208	WESTERN DIGITAL CORP COMMON STOCK USD.01		1,508,245.42	0.111%	69.459%
209	ELECTRONIC ARTS INC COMMON STOCK USD.01		1,501,678.64	0.111%	69.570%
210	KOHL'S CORP COMMON STOCK USD.01		1,496,379.42	0.111%	69.681%
211	CA INC COMMON STOCK USD.1		1,491,261.00	0.110%	69.791%

Row Id	Security Name	Notional Amount USD	Market Value USD	Asset Weight	Cumulative Weight
Equity			1,353,721,919.23		100.000%
212	COMERICA INC COMMON STOCK USD5.0		1,486,339.42	0.110%	69.901%
213	EXELON CORP COMMON STOCK		1,480,819.60	0.109%	70.010%
214	ANADARKO PETROLEUM CORP COMMON STOCK USD.1		1,476,480.81	0.109%	70.119%
215	HP INC COMMON STOCK USD.01		1,456,101.76	0.108%	70.227%
216	DXC TECHNOLOGY CO COMMON STOCK USD.01		1,448,335.71	0.107%	70.334%
217	E TRADE FINANCIAL CORP COMMON STOCK USD.01		1,435,673.10	0.106%	70.440%
218	QUEST DIAGNOSTICS INC COMMON STOCK USD.01		1,434,992.10	0.106%	70.546%
219	GENERAL MILLS INC COMMON STOCK USD.1		1,421,372.64	0.105%	70.651%
220	SYNCHRONY FINANCIAL COMMON STOCK USD.001		1,415,670.13	0.105%	70.756%
221	CARMAX INC COMMON STOCK USD.5		1,415,267.06	0.105%	70.860%
222	WHIRLPOOL CORP COMMON STOCK USD1.0		1,411,061.76	0.104%	70.964%
223	AMERICAN ELECTRIC POWER COMMON STOCK USD6.5		1,409,455.91	0.104%	71.068%
224	AUTOLIV INC COMMON STOCK USD1.0		1,400,002.42	0.103%	71.172%
225	MACY S INC COMMON STOCK USD.01		1,395,846.90	0.103%	71.275%
226	UNITED RENTALS INC COMMON STOCK USD.01		1,390,994.69	0.103%	71.378%
227	VIACOM INC CLASS B COMMON STOCK USD.001		1,387,698.68	0.103%	71.480%
228	TYSON FOODS INC CL A COMMON STOCK USD.1		1,384,754.80	0.102%	71.583%
229	VULCAN MATERIALS CO COMMON STOCK USD1.0		1,375,634.33	0.102%	71.684%
230	VERTEX PHARMACEUTICALS INC COMMON STOCK USD.01		1,374,573.32	0.102%	71.786%
231	INTERCONTINENTAL EXCHANGE IN COMMON STOCK USD.01		1,356,849.20	0.100%	71.886%
232	SOUTHERN CO/THE COMMON STOCK USD5.0		1,355,475.66	0.100%	71.986%
233	DR PEPPER SNAPPLE GROUP INC COMMON STOCK USD.01		1,342,547.58	0.099%	72.085%
234	JM SMUCKER CO/THE COMMON STOCK		1,330,999.33	0.098%	72.184%
235	AKAMAI TECHNOLOGIES INC COMMON STOCK USD.01		1,330,662.06	0.098%	72.282%
236	NASDAQ INC COMMON STOCK USD.01		1,326,925.80	0.098%	72.380%
237	LENNAR CORP A COMMON STOCK USD.1		1,324,028.16	0.098%	72.478%
238	NORWEGIAN CRUISE LINE HOLDIN COMMON STOCK USD.001		1,311,431.26	0.097%	72.575%
239	FLEETCOR TECHNOLOGIES INC COMMON STOCK USD.001		1,308,555.00	0.097%	72.671%
240	CORNING INC COMMON STOCK USD.5		1,285,379.52	0.095%	72.766%
241	FIFTH THIRD BANCORP COMMON STOCK		1,280,033.00	0.095%	72.861%
242	SUNTRUST BANKS INC COMMON STOCK USD1.0		1,276,294.32	0.094%	72.955%
243	APACHE CORP COMMON STOCK USD.625		1,273,187.76	0.094%	73.049%
244	AMERICAN AIRLINES GROUP INC COMMON STOCK		1,271,876.88	0.094%	73.143%
245	CBRE GROUP INC A COMMON STOCK USD.01		1,270,501.32	0.094%	73.237%
246	T MOBILE US INC COMMON STOCK USD.0001		1,260,231.84	0.093%	73.330%
247	APTIV PLC COMMON STOCK USD.01		1,258,830.55	0.093%	73.423%
248	HARTFORD FINANCIAL SVCS GRP COMMON STOCK USD.01		1,257,191.04	0.093%	73.516%
249	NIELSEN HOLDINGS PLC COMMON STOCK EUR.07		1,252,907.48	0.093%	73.608%

Row Id	Security Name	Notional Amount USD	Market Value USD	Asset Weight	Cumulative Weight
Equity			1,353,721,919.23		100.000%
250	HESS CORP COMMON STOCK USD1.0		1,252,541.28	0.093%	73.701%
251	ILLUMINA INC COMMON STOCK USD.01		1,248,534.02	0.092%	73.793%
252	PHILLIPS 66 COMMON STOCK		1,247,151.84	0.092%	73.885%
253	EDWARDS LIFESCIENCES CORP COMMON STOCK USD1.0		1,245,216.00	0.092%	73.977%
254	INTERNATIONAL PAPER CO COMMON STOCK USD1.0		1,240,804.89	0.092%	74.069%
255	BORGWARNER INC COMMON STOCK USD.01		1,229,630.40	0.091%	74.160%
256	CELANESE CORP SERIES A COMMON STOCK USD.0001		1,226,269.77	0.091%	74.250%
257	AMERISOURCEBERGEN CORP COMMON STOCK USD.01		1,222,199.17	0.090%	74.341%
258	WILLIS TOWERS WATSON PLC COMMON STOCK USD.000304635		1,219,041.90	0.090%	74.431%
259	LKQ CORP COMMON STOCK USD.01		1,218,840.15	0.090%	74.521%
260	ROPER TECHNOLOGIES INC COMMON STOCK USD.01		1,216,510.46	0.090%	74.611%
261	AMPHENOL CORP CL A COMMON STOCK USD.001		1,216,241.73	0.090%	74.700%
262	CARDINAL HEALTH INC COMMON STOCK		1,212,983.36	0.090%	74.790%
263	ALLY FINANCIAL INC COMMON STOCK USD.1		1,204,075.35	0.089%	74.879%
264	CARNIVAL CORP COMMON STOCK USD.01		1,200,573.06	0.089%	74.968%
265	CERNER CORP COMMON STOCK USD.01		1,198,976.00	0.089%	75.056%
266	MARTIN MARIETTA MATERIALS COMMON STOCK USD.01		1,196,950.20	0.088%	75.145%
267	CONCHO RESOURCES INC COMMON STOCK USD.001		1,195,123.50	0.088%	75.233%
268	RAYMOND JAMES FINANCIAL INC COMMON STOCK USD.01		1,193,087.04	0.088%	75.321%
269	STEEL DYNAMICS INC COMMON STOCK USD.005		1,188,677.82	0.088%	75.409%
270	NORTHERN TRUST CORP COMMON STOCK USD1.667		1,184,860.57	0.088%	75.496%
271	INGREDION INC COMMON STOCK USD.01		1,181,293.96	0.087%	75.584%
272	WILLIAMS COS INC COMMON STOCK USD1.0		1,180,352.80	0.087%	75.671%
273	KANSAS CITY SOUTHERN COMMON STOCK USD.01		1,178,251.10	0.087%	75.758%
274	STATE STREET CORP COMMON STOCK USD1.0		1,177,611.84	0.087%	75.845%
275	PARKER HANNIFIN CORP COMMON STOCK USD.5		1,175,660.22	0.087%	75.932%
276	LINCOLN NATIONAL CORP COMMON STOCK		1,172,832.18	0.087%	76.018%
277	VF CORP COMMON STOCK		1,171,466.60	0.087%	76.105%
278	TIFFANY + CO COMMON STOCK USD.01		1,170,845.74	0.086%	76.191%
279	NETAPP INC COMMON STOCK USD.001		1,168,531.98	0.086%	76.278%
280	AMETEK INC COMMON STOCK USD.01		1,168,418.60	0.086%	76.364%
281	REPUBLIC SERVICES INC COMMON STOCK USD.01		1,166,177.84	0.086%	76.450%
282	STANLEY BLACK + DECKER INC COMMON STOCK USD2.5		1,163,094.40	0.086%	76.536%
283	CONAGRA BRANDS INC COMMON STOCK USD5.0		1,161,203.68	0.086%	76.622%
284	SVB FINANCIAL GROUP COMMON STOCK USD.001		1,157,328.22	0.085%	76.707%
285	O REILLY AUTOMOTIVE INC COMMON STOCK USD.01		1,154,275.08	0.085%	76.793%
286	YUM BRANDS INC COMMON STOCK		1,150,531.95	0.085%	76.878%
287	GLOBAL PAYMENTS INC COMMON STOCK		1,149,436.64	0.085%	76.962%

Row Id	Security Name	Notional Amount USD	Market Value USD	Asset Weight	Cumulative Weight
Equity			1,353,721,919.23		100.000%
288	MARKEL CORP COMMON STOCK		1,148,015.25	0.085%	77.047%
289	INVESCO LTD COMMON STOCK USD.2		1,141,636.65	0.084%	77.132%
290	FORTIVE CORP COMMON STOCK USD.01		1,139,699.04	0.084%	77.216%
291	ROCKWELL AUTOMATION INC COMMON STOCK USD1.0		1,139,093.80	0.084%	77.300%
292	PIONEER NATURAL RESOURCES CO COMMON STOCK USD.01		1,136,496.48	0.084%	77.384%
293	KRAFT HEINZ CO/THE COMMON STOCK USD.01		1,136,045.02	0.084%	77.468%
294	ARTHUR J GALLAGHER + CO COMMON STOCK USD1.0		1,128,271.68	0.083%	77.551%
295	INGERSOLL RAND PLC COMMON STOCK USD1.0		1,123,686.91	0.083%	77.634%
296	HUNTINGTON INGALLS INDUSTRIE COMMON STOCK USD.01		1,123,575.84	0.083%	77.717%
297	FLEX LTD COMMON STOCK		1,121,038.17	0.083%	77.800%
298	TAPESTRY INC COMMON STOCK USD.01		1,119,382.97	0.083%	77.883%
299	HCA HEALTHCARE INC COMMON STOCK USD.01		1,116,664.00	0.082%	77.965%
300	PENTAIR PLC COMMON STOCK USD.01		1,116,173.79	0.082%	78.048%
301	VERISK ANALYTICS INC COMMON STOCK USD.001		1,114,048.00	0.082%	78.130%
302	GENUINE PARTS CO COMMON STOCK USD1.0		1,109,883.36	0.082%	78.212%
303	UNIVERSAL HEALTH SERVICES B COMMON STOCK USD.01		1,108,199.19	0.082%	78.294%
304	HUNTSMAN CORP COMMON STOCK USD.01		1,104,655.50	0.082%	78.375%
305	LIBERTY INTERACTIVE CORP Q A TRACKING STK USD.01		1,101,917.43	0.081%	78.457%
306	COTY INC CL A COMMON STOCK USD.01		1,100,086.20	0.081%	78.538%
307	AFFILIATED MANAGERS GROUP COMMON STOCK USD.01		1,097,099.46	0.081%	78.619%
308	OWENS CORNING COMMON STOCK USD.001		1,091,912.40	0.081%	78.700%
309	PAYCHEX INC COMMON STOCK USD.01		1,074,622.32	0.079%	78.779%
310	NATIONAL OILWELL VARCO INC COMMON STOCK USD.01		1,073,563.65	0.079%	78.858%
311	CINTAS CORP COMMON STOCK		1,067,830.80	0.079%	78.937%
312	ROYAL CARIBBEAN CRUISES LTD COMMON STOCK USD.01		1,065,311.52	0.079%	79.016%
313	PACKAGING CORP OF AMERICA COMMON STOCK USD.01		1,054,646.60	0.078%	79.094%
314	PUBLIC SERVICE ENTERPRISE GP COMMON STOCK		1,049,664.32	0.078%	79.171%
315	RED HAT INC COMMON STOCK USD.0001		1,041,636.17	0.077%	79.248%
316	OLD DOMINION FREIGHT LINE COMMON STOCK USD.1		1,040,841.54	0.077%	79.325%
317	FNF GROUP TRACKING STK USD.0001		1,038,118.80	0.077%	79.402%
318	MARATHON OIL CORP COMMON STOCK USD1.0		1,032,997.46	0.076%	79.478%
319	ANALOG DEVICES INC COMMON STOCK USD.167		1,025,394.76	0.076%	79.554%
320	AGILENT TECHNOLOGIES INC COMMON STOCK USD.01		1,024,506.60	0.076%	79.630%
321	SPIRIT AEROSYSTEMS HOLD CL A COMMON STOCK USD.01		1,023,902.10	0.076%	79.705%
322	ONEOK INC COMMON STOCK USD.01		1,019,607.96	0.075%	79.781%
323	WELLCARE HEALTH PLANS INC COMMON STOCK USD.01		1,016,557.50	0.075%	79.856%
324	SEMPRA ENERGY COMMON STOCK		1,012,880.54	0.075%	79.931%
325	WESTROCK CO COMMON STOCK		1,011,575.88	0.075%	80.005%

Row Id	Security Name	Notional Amount USD	Market Value USD	Asset Weight	Cumulative Weight
Equity			1,353,721,919.23		100.000%
326	TOTAL SYSTEM SERVICES INC COMMON STOCK USD.1		1,010,449.64	0.075%	80.080%
327	CONSOLIDATED EDISON INC COMMON STOCK USD.1		1,008,387.72	0.074%	80.154%
328	LOEWS CORP COMMON STOCK USD.01		1,005,739.52	0.074%	80.229%
329	FIRST REPUBLIC BANK/CA COMMON STOCK USD.01		1,004,725.89	0.074%	80.303%
330	MCCORMICK + CO NON VTG SHRS COMMON STOCK		1,004,215.21	0.074%	80.377%
331	BALL CORP COMMON STOCK		1,002,717.21	0.074%	80.451%
332	MYLAN NV COMMON STOCK EUR.01		1,001,707.27	0.074%	80.525%
333	MICROSEMI CORP COMMON STOCK USD.2		992,481.20	0.073%	80.598%
334	ALCOA CORP COMMON STOCK USD.01		988,085.92	0.073%	80.671%
335	XCEL ENERGY INC COMMON STOCK USD2.5		986,370.24	0.073%	80.744%
336	PVH CORP COMMON STOCK USD1.0		984,749.29	0.073%	80.817%
337	ON SEMICONDUCTOR CORP COMMON STOCK USD.01		982,778.34	0.073%	80.890%
338	TESLA INC COMMON STOCK USD.001		978,560.01	0.072%	80.962%
339	SS+C TECHNOLOGIES HOLDINGS COMMON STOCK USD.01		977,642.64	0.072%	81.034%
340	AMERICAN FINANCIAL GROUP INC COMMON STOCK		971,151.88	0.072%	81.106%
341	WYNN RESORTS LTD COMMON STOCK USD.01		971,067.00	0.072%	81.178%
342	FOOT LOCKER INC COMMON STOCK USD.01		969,091.20	0.072%	81.249%
343	EXPEDITORS INTL WASH INC COMMON STOCK USD.01		962,856.30	0.071%	81.320%
344	GARMIN LTD COMMON STOCK CHF10.0		959,557.19	0.071%	81.391%
345	TWENTY FIRST CENTURY FOX B COMMON STOCK USD.01		954,130.58	0.070%	81.462%
346	MOODY S CORP COMMON STOCK USD.01		951,992.60	0.070%	81.532%
347	SENSATA TECHNOLOGIES HOLDING COMMON STOCK EUR.01		946,052.99	0.070%	81.602%
348	REGENERON PHARMACEUTICALS COMMON STOCK USD.001		942,513.32	0.070%	81.672%
349	ALASKA AIR GROUP INC COMMON STOCK USD.01		939,995.16	0.069%	81.741%
350	WESTLAKE CHEMICAL CORP COMMON STOCK USD.01		938,772.90	0.069%	81.810%
351	SNAP ON INC COMMON STOCK USD1.0		930,829.86	0.069%	81.879%
352	CITRIX SYSTEMS INC COMMON STOCK USD.001		929,392.00	0.069%	81.948%
353	GENTEX CORP COMMON STOCK USD.06		927,775.06	0.069%	82.016%
354	ORBITAL ATK INC COMMON STOCK USD.01		926,678.68	0.068%	82.085%
355	C.H. ROBINSON WORLDWIDE INC COMMON STOCK USD.1		921,825.27	0.068%	82.153%
356	FASTENAL CO COMMON STOCK USD.01		921,042.48	0.068%	82.221%
357	TECHNIPFMC PLC COMMON STOCK USD1.0		912,361.00	0.067%	82.288%
358	JAZZ PHARMACEUTICALS PLC COMMON STOCK USD.0001		905,185.05	0.067%	82.355%
359	KELLOGG CO COMMON STOCK USD.25		899,998.44	0.066%	82.422%
360	DIAMONDBACK ENERGY INC COMMON STOCK USD.01		898,545.04	0.066%	82.488%
361	CF INDUSTRIES HOLDINGS INC COMMON STOCK USD.01		892,993.64	0.066%	82.554%
362	FORTUNE BRANDS HOME + SECURI COMMON STOCK USD.01		892,301.28	0.066%	82.620%
363	LEIDOS HOLDINGS INC COMMON STOCK USD.0001		890,878.80	0.066%	82.686%

Row Id	Security Name	Notional Amount USD	Market Value USD	Asset Weight	Cumulative Weight
Equity			1,353,721,919.23		100.000%
364	THOR INDUSTRIES INC COMMON STOCK USD.1		888,651.72	0.066%	82.751%
365	US FOODS HOLDING CORP COMMON STOCK USD.01		886,854.51	0.066%	82.817%
366	EVEREST RE GROUP LTD COMMON STOCK USD.01		884,488.08	0.065%	82.882%
367	EQUIFAX INC COMMON STOCK USD1.25		883,692.81	0.065%	82.947%
368	MONSTER BEVERAGE CORP COMMON STOCK		876,171.15	0.065%	83.012%
369	COOPER COS INC/THE COMMON STOCK USD.1		874,969.44	0.065%	83.077%
370	OMNICOM GROUP COMMON STOCK USD.15		874,365.44	0.065%	83.141%
371	CIMAREX ENERGY CO COMMON STOCK USD.01		873,290.00	0.065%	83.206%
372	WW GRAINGER INC COMMON STOCK USD.5		869,956.14	0.064%	83.270%
373	EAST WEST BANCORP INC COMMON STOCK USD.001		869,306.00	0.064%	83.334%
374	MANPOWERGROUP INC COMMON STOCK USD.01		868,314.40	0.064%	83.399%
375	KEYCORP COMMON STOCK USD1.0		865,009.30	0.064%	83.462%
376	HUNT (JB) TRANSPRT SVCS INC COMMON STOCK USD.01		864,918.45	0.064%	83.526%
377	COMMERCE BANCSHARES INC COMMON STOCK USD5.0		863,363.01	0.064%	83.590%
378	XL GROUP LTD COMMON STOCK		857,911.50	0.063%	83.654%
379	TERADYNE INC COMMON STOCK USD.125		855,508.36	0.063%	83.717%
380	CLOROX COMPANY COMMON STOCK USD1.0		854,699.31	0.063%	83.780%
381	P G + E CORP COMMON STOCK		853,559.90	0.063%	83.843%
382	CBS CORP CLASS B NON VOTING COMMON STOCK USD.001		852,405.93	0.063%	83.906%
383	PULTEGROUP INC COMMON STOCK USD.01		851,730.18	0.063%	83.969%
384	LIBERTY BROADBAND C COMMON STOCK USD.01		850,044.80	0.063%	84.032%
385	JONES LANG LASALLE INC COMMON STOCK USD.01		849,274.32	0.063%	84.094%
386	ANSYS INC COMMON STOCK USD.01		848,319.66	0.063%	84.157%
387	ADVANCE AUTO PARTS INC COMMON STOCK USD.0001		846,802.65	0.063%	84.220%
388	AMDOCS LTD COMMON STOCK GBP.0001		841,005.60	0.062%	84.282%
389	ALBEMARLE CORP COMMON STOCK USD.01		837,163.98	0.062%	84.344%
390	CINCINNATI FINANCIAL CORP COMMON STOCK USD2.0		836,167.60	0.062%	84.405%
391	GOODYEAR TIRE + RUBBER CO COMMON STOCK		835,090.44	0.062%	84.467%
392	KEYSIGHT TECHNOLOGIES IN COMMON STOCK		834,363.14	0.062%	84.529%
393	BROWN FORMAN CORP CLASS B COMMON STOCK USD.15		833,897.60	0.062%	84.590%
394	NOBLE ENERGY INC COMMON STOCK USD.01		833,037.90	0.062%	84.652%
395	HOLLYFRONTIER CORP COMMON STOCK USD.01		831,988.08	0.061%	84.713%
396	POST HOLDINGS INC COMMON STOCK USD.01		829,344.72	0.061%	84.774%
397	BANK OF THE OZARKS COMMON STOCK USD.01		828,554.55	0.061%	84.836%
398	UNITED THERAPEUTICS CORP COMMON STOCK USD.01		828,430.28	0.061%	84.897%
399	BLUE BUFFALO PET PRODUCTS IN COMMON STOCK USD.01		828,247.05	0.061%	84.958%
400	DENTSPLY SIRONA INC COMMON STOCK USD.01		826,995.78	0.061%	85.019%
401	IPG PHOTONICS CORP COMMON STOCK USD.0001		824,531.54	0.061%	85.080%

Row Id	Security Name	Notional Amount USD	Market Value USD	Asset Weight	Cumulative Weight
Equity		1,353,721,919.23			100.000%
402	CONTINENTAL RESOURCES INC/OK COMMON STOCK USD.01		824,179.95	0.061%	85.141%
403	WEX INC COMMON STOCK USD.01		821,002.04	0.061%	85.202%
404	DARDEN RESTAURANTS INC COMMON STOCK		820,360.75	0.061%	85.262%
405	XYLEM INC COMMON STOCK		820,121.04	0.061%	85.323%
406	ARAMARK COMMON STOCK USD.01		818,615.08	0.060%	85.383%
407	KLA TENCOR CORP COMMON STOCK USD.001		817,575.00	0.060%	85.444%
408	MARVELL TECHNOLOGY GROUP LTD COMMON STOCK USD.002		817,047.00	0.060%	85.504%
409	ZEBRA TECHNOLOGIES CORP CL A COMMON STOCK USD.01		814,261.50	0.060%	85.564%
410	WEC ENERGY GROUP INC COMMON STOCK USD.01		808,014.90	0.060%	85.624%
411	SEAGATE TECHNOLOGY COMMON STOCK USD.00001		805,293.72	0.059%	85.683%
412	IDEXX LABORATORIES INC COMMON STOCK USD.1		804,220.78	0.059%	85.743%
413	SANTANDER CONSUMER USA HOLDI COMMON STOCK USD.01		799,612.80	0.059%	85.802%
414	JETBLUE AIRWAYS CORP COMMON STOCK USD.01		797,417.76	0.059%	85.861%
415	CARLISLE COS INC COMMON STOCK USD1.0		797,379.17	0.059%	85.920%
416	HEWLETT PACKARD ENTERPRISE COMMON STOCK USD.01		796,544.02	0.059%	85.978%
417	HERBALIFE LTD COMMON STOCK USD.002		795,647.61	0.059%	86.037%
418	JUNIPER NETWORKS INC COMMON STOCK USD.00001		794,544.81	0.059%	86.096%
419	ENCOMPASS HEALTH CORP COMMON STOCK USD.01		792,033.18	0.059%	86.154%
420	UNUM GROUP COMMON STOCK USD.1		790,754.49	0.058%	86.213%
421	MICHAEL KORS HOLDINGS LTD COMMON STOCK		790,588.80	0.058%	86.271%
422	HERSHEY CO/THE COMMON STOCK USD1.0		788,810.16	0.058%	86.329%
423	ALIGN TECHNOLOGY INC COMMON STOCK USD.0001		788,297.07	0.058%	86.388%
424	CITIZENS FINANCIAL GROUP COMMON STOCK USD.01		787,376.88	0.058%	86.446%
425	LEGGETT + PLATT INC COMMON STOCK USD.01		786,724.60	0.058%	86.504%
426	JABIL INC COMMON STOCK USD.001		785,822.96	0.058%	86.562%
427	HILTON WORLDWIDE HOLDINGS IN COMMON STOCK USD.01		780,590.36	0.058%	86.620%
428	MAXIM INTEGRATED PRODUCTS COMMON STOCK USD.001		779,969.44	0.058%	86.677%
429	ARCONIC INC COMMON STOCK		779,328.00	0.058%	86.735%
430	BROADRIDGE FINANCIAL SOLUTIO COMMON STOCK USD.01		778,579.62	0.058%	86.792%
431	SERVICENOW INC COMMON STOCK USD.001		778,442.25	0.058%	86.850%
432	SONOCO PRODUCTS CO COMMON STOCK		777,358.00	0.057%	86.907%
433	EDISON INTERNATIONAL COMMON STOCK		775,760.76	0.057%	86.965%
434	M + T BANK CORP COMMON STOCK USD.5		772,837.12	0.057%	87.022%
435	TRACTOR SUPPLY COMPANY COMMON STOCK USD.008		770,734.60	0.057%	87.079%
436	IDEX CORP COMMON STOCK USD.01		767,416.35	0.057%	87.135%
437	CBOE GLOBAL MARKETS INC COMMON STOCK		760,476.50	0.056%	87.192%
438	PERRIGO CO PLC COMMON STOCK EUR.001		758,310.66	0.056%	87.248%
439	ARISTA NETWORKS INC COMMON STOCK USD.0001		756,964.50	0.056%	87.303%

Row Id	Security Name	Notional Amount USD	Market Value USD	Asset Weight	Cumulative Weight
Equity		1,353,721,919.23			100.000%
440	TELEDYNE TECHNOLOGIES INC COMMON STOCK USD.01		754,856.61	0.056%	87.359%
441	XILINX INC COMMON STOCK USD.01		753,896.64	0.056%	87.415%
442	FLIR SYSTEMS INC COMMON STOCK USD.01		753,500.67	0.056%	87.471%
443	PINNACLE FOODS INC COMMON STOCK USD.01		750,799.80	0.055%	87.526%
444	BRUNSWICK CORP COMMON STOCK USD.75		749,739.36	0.055%	87.581%
445	RSP PERMIAN INC COMMON STOCK USD.01		747,595.36	0.055%	87.637%
446	FLUOR CORP COMMON STOCK USD.01		741,285.10	0.055%	87.691%
447	ARCHER DANIELS MIDLAND CO COMMON STOCK		738,417.62	0.055%	87.746%
448	KAR AUCTION SERVICES INC COMMON STOCK USD.01		737,662.00	0.054%	87.800%
449	CATALENT INC COMMON STOCK USD.01		737,642.90	0.054%	87.855%
450	SABRE CORP COMMON STOCK USD.01		737,322.30	0.054%	87.909%
451	FIRST AMERICAN FINANCIAL COMMON STOCK USD.00001		736,844.76	0.054%	87.964%
452	CREDIT ACCEPTANCE CORP COMMON STOCK USD.01		736,483.89	0.054%	88.018%
453	OSHKOSH CORP COMMON STOCK USD.01		735,996.75	0.054%	88.073%
454	PPL CORP COMMON STOCK USD.01		735,313.68	0.054%	88.127%
455	AUTOZONE INC COMMON STOCK USD.01		733,019.70	0.054%	88.181%
456	POLARIS INDUSTRIES INC COMMON STOCK USD.01		728,576.24	0.054%	88.235%
457	LPL FINANCIAL HOLDINGS INC COMMON STOCK		727,038.35	0.054%	88.289%
458	ZAYO GROUP HOLDINGS INC COMMON STOCK USD.001		725,114.32	0.054%	88.342%
459	BIOMARIN PHARMACEUTICAL INC COMMON STOCK USD.001		722,820.12	0.053%	88.396%
460	OLIN CORP COMMON STOCK USD1.0		721,245.87	0.053%	88.449%
461	ARROW ELECTRONICS INC COMMON STOCK USD1.0		720,599.12	0.053%	88.502%
462	GENPACT LTD COMMON STOCK USD.01		719,167.19	0.053%	88.555%
463	HENRY SCHEIN INC COMMON STOCK USD.01		718,071.64	0.053%	88.608%
464	TD AMERITRADE HOLDING CORP COMMON STOCK USD.01		716,209.16	0.053%	88.661%
465	BWX TECHNOLOGIES INC COMMON STOCK USD.01		715,728.98	0.053%	88.714%
466	NEWFIELD EXPLORATION CO COMMON STOCK USD.01		714,358.26	0.053%	88.767%
467	SYNOVUS FINANCIAL CORP COMMON STOCK USD1.0		710,396.50	0.052%	88.819%
468	ALEXION PHARMACEUTICALS INC COMMON STOCK USD.0001		709,442.90	0.052%	88.872%
469	IAC/INTERACTIVECORP COMMON STOCK USD.001		708,557.78	0.052%	88.924%
470	RELIANCE STEEL + ALUMINUM COMMON STOCK		704,439.84	0.052%	88.976%
471	CURTISS WRIGHT CORP COMMON STOCK USD1.0		703,039.35	0.052%	89.028%
472	COPART INC COMMON STOCK		702,120.98	0.052%	89.080%
473	DTE ENERGY COMPANY COMMON STOCK		701,672.40	0.052%	89.132%
474	ARCH CAPITAL GROUP LTD COMMON STOCK USD.01		701,410.05	0.052%	89.183%
475	RESMED INC COMMON STOCK USD.004		701,401.81	0.052%	89.235%
476	EVERSOURCE ENERGY COMMON STOCK USD5.0		698,732.28	0.052%	89.287%
477	INTERPUBLIC GROUP OF COS INC COMMON STOCK USD.1		698,407.78	0.052%	89.339%

Row Id	Security Name	Notional Amount USD	Market Value USD	Asset Weight	Cumulative Weight
Equity		1,353,721,919.23			100.000%
478	WESTERN ALLIANCE BANCORP COMMON STOCK USD.0001		698,075.43	0.052%	89.390%
479	MKS INSTRUMENTS INC COMMON STOCK		696,675.60	0.051%	89.442%
480	CARTER S INC COMMON STOCK USD.01		695,492.10	0.051%	89.493%
481	WATSCO INC COMMON STOCK USD.5		694,743.83	0.051%	89.544%
482	FLOWSERVE CORP COMMON STOCK USD1.25		691,026.84	0.051%	89.595%
483	MSCI INC COMMON STOCK USD.01		690,551.40	0.051%	89.646%
484	AVERY DENNISON CORP COMMON STOCK USD1.0		687,756.25	0.051%	89.697%
485	SERVICE CORP INTERNATIONAL COMMON STOCK USD1.0		683,358.18	0.050%	89.748%
486	COMMSCOPE HOLDING CO INC COMMON STOCK USD.01		679,809.76	0.050%	89.798%
487	BROWN + BROWN INC COMMON STOCK USD.1		679,298.88	0.050%	89.848%
488	BUNGE LTD COMMON STOCK USD.01		678,843.14	0.050%	89.898%
489	GRAPHIC PACKAGING HOLDING CO COMMON STOCK USD.01		677,211.30	0.050%	89.948%
490	ALLISON TRANSMISSION HOLDING COMMON STOCK USD.01		676,167.66	0.050%	89.998%
491	LIVE NATION ENTERTAINMENT IN COMMON STOCK USD.01		675,630.62	0.050%	90.048%
492	WATERS CORP COMMON STOCK USD.01		667,066.70	0.049%	90.097%
493	ANTERO RESOURCES CORP COMMON STOCK USD.01		666,920.30	0.049%	90.147%
494	USG CORP COMMON STOCK USD.1		666,444.96	0.049%	90.196%
495	GRUBHUB INC COMMON STOCK USD.0001		663,918.21	0.049%	90.245%
496	REINSURANCE GROUP OF AMERICA COMMON STOCK USD.01		663,124.00	0.049%	90.294%
497	TARGA RESOURCES CORP COMMON STOCK USD.001		658,020.00	0.049%	90.342%
498	ADIENT PLC COMMON STOCK USD.001		656,523.36	0.048%	90.391%
499	UNITED STATES STEEL CORP COMMON STOCK USD1.0		655,941.60	0.048%	90.439%
500	WYNDHAM WORLDWIDE CORP COMMON STOCK USD.01		655,340.61	0.048%	90.488%
501	AXALTA COATING SYSTEMS LTD COMMON STOCK USD1.0		655,213.57	0.048%	90.536%
502	LAZARD LTD CL A COMMON STOCK USD.01		654,634.80	0.048%	90.585%
503	HILL ROM HOLDINGS INC COMMON STOCK		652,848.00	0.048%	90.633%
504	ALLIANCE DATA SYSTEMS CORP COMMON STOCK USD.01		649,861.58	0.048%	90.681%
505	PACWEST BANCORP COMMON STOCK		649,685.01	0.048%	90.729%
506	HD SUPPLY HOLDINGS INC COMMON STOCK USD.01		649,684.56	0.048%	90.777%
507	SYMANTEC CORP COMMON STOCK USD.01		649,403.70	0.048%	90.825%
508	ZIMMER BIOMET HOLDINGS INC COMMON STOCK USD.01		648,242.80	0.048%	90.873%
509	VOYA FINANCIAL INC COMMON STOCK USD.01		645,743.50	0.048%	90.920%
510	FMC CORP COMMON STOCK USD.1		643,341.14	0.048%	90.968%
511	DONALDSON CO INC COMMON STOCK USD5.0		642,953.60	0.047%	91.015%
512	SERVICEMASTER GLOBAL HOLDING COMMON STOCK USD.01		642,286.35	0.047%	91.063%
513	CIT GROUP INC COMMON STOCK USD.01		637,055.00	0.047%	91.110%
514	AUTONATION INC COMMON STOCK USD.01		636,675.80	0.047%	91.157%
515	MOTOROLA SOLUTIONS INC COMMON STOCK USD.01		633,695.40	0.047%	91.204%

Row Id	Security Name	Notional Amount USD	Market Value USD	Asset Weight	Cumulative Weight
Equity		1,353,721,919.23			100.000%
516	LINCOLN ELECTRIC HOLDINGS COMMON STOCK		631,269.10	0.047%	91.250%
517	AGCO CORP COMMON STOCK USD.01		630,406.85	0.047%	91.297%
518	XEROX CORP COMMON STOCK USD1.0		630,195.66	0.047%	91.343%
519	SYNNEX CORP COMMON STOCK USD.001		627,638.40	0.046%	91.390%
520	METTLER TOLEDO INTERNATIONAL COMMON STOCK USD.01		624,482.58	0.046%	91.436%
521	HEXCEL CORP COMMON STOCK USD.01		622,389.24	0.046%	91.482%
522	HARLEY DAVIDSON INC COMMON STOCK USD.01		622,231.68	0.046%	91.528%
523	LEUCADIA NATIONAL CORP COMMON STOCK USD1.0		621,415.47	0.046%	91.574%
524	TORCHMARK CORP COMMON STOCK USD1.0		620,669.58	0.046%	91.620%
525	MIDDLEBY CORP COMMON STOCK USD.01		620,064.11	0.046%	91.665%
526	BRIGHT HORIZONS FAMILY SOLUT COMMON STOCK USD.001		618,264.00	0.046%	91.711%
527	PERKINELMER INC COMMON STOCK USD1.0		617,648.04	0.046%	91.757%
528	WORLDPAY INC CLASS A COMMON STOCK USD.00001		617,622.40	0.046%	91.802%
529	VISTRA ENERGY CORP COMMON STOCK		617,463.69	0.046%	91.848%
530	BOOZ ALLEN HAMILTON HOLDINGS COMMON STOCK USD.01		616,499.84	0.046%	91.894%
531	SKECHERS USA INC CL A COMMON STOCK USD.001		614,850.90	0.045%	91.939%
532	LOGMEIN INC COMMON STOCK USD.01		614,841.55	0.045%	91.984%
533	GRACO INC COMMON STOCK USD1.0		613,105.20	0.045%	92.030%
534	ABIOMED INC COMMON STOCK USD.01		611,660.98	0.045%	92.075%
535	CHEMOURS CO/THE COMMON STOCK		609,995.33	0.045%	92.120%
536	AMEREN CORPORATION COMMON STOCK USD.01		609,735.21	0.045%	92.165%
537	TELEFLEX INC COMMON STOCK USD1.0		609,402.20	0.045%	92.210%
538	NEW YORK COMMUNITY BANCORP COMMON STOCK USD.01		608,865.84	0.045%	92.255%
539	JACOBS ENGINEERING GROUP INC COMMON STOCK USD1.0		605,755.15	0.045%	92.300%
540	NRG ENERGY INC COMMON STOCK USD.01		603,120.15	0.045%	92.344%
541	KNIGHT SWIFT TRANSPORTATION COMMON STOCK USD.001		601,994.84	0.044%	92.389%
542	ZIONS BANCORPORATION COMMON STOCK		601,385.65	0.044%	92.433%
543	PAYCOM SOFTWARE INC COMMON STOCK USD.01		601,384.00	0.044%	92.478%
544	CYPRESS SEMICONDUCTOR CORP COMMON STOCK USD.01		598,925.44	0.044%	92.522%
545	EXPEDIA GROUP INC COMMON STOCK USD.001		594,557.85	0.044%	92.566%
546	TRANSDIGM GROUP INC COMMON STOCK USD.01		593,621.96	0.044%	92.610%
547	FRANKLIN RESOURCES INC COMMON STOCK USD.1		591,814.20	0.044%	92.653%
548	ROBERT HALF INTL INC COMMON STOCK USD.001		590,709.56	0.044%	92.697%
549	COLUMBIA SPORTSWEAR CO COMMON STOCK		585,835.95	0.043%	92.740%
550	WPX ENERGY INC COMMON STOCK		585,672.28	0.043%	92.783%
551	MOSAIC CO/THE COMMON STOCK USD.01		585,269.40	0.043%	92.827%
552	DELL TECHNOLOGIES INC CL V TRACKING STK		584,289.01	0.043%	92.870%
553	CMS ENERGY CORP COMMON STOCK USD.01		583,561.65	0.043%	92.913%

Row Id	Security Name	Notional Amount USD	Market Value USD	Asset Weight	Cumulative Weight
Equity		1,353,721,919.23			100.000%
554	RALPH LAUREN CORP COMMON STOCK USD.01		582,813.40	0.043%	92.956%
555	TRANSUNION COMMON STOCK USD.01		582,278.90	0.043%	92.999%
556	FIRST SOLAR INC COMMON STOCK USD.001		579,125.82	0.043%	93.042%
557	QORVO INC COMMON STOCK USD.0001		577,478.65	0.043%	93.084%
558	BRIGHTHOUSE FINANCIAL INC COMMON STOCK USD.01		576,605.20	0.043%	93.127%
559	CABOT OIL + GAS CORP COMMON STOCK USD.1		573,002.10	0.042%	93.169%
560	WEST PHARMACEUTICAL SERVICES COMMON STOCK USD.25		571,236.30	0.042%	93.212%
561	BLACK KNIGHT INC COMMON STOCK		569,156.40	0.042%	93.254%
562	SLM CORP COMMON STOCK USD.2		568,840.24	0.042%	93.296%
563	CULLEN/FROST BANKERS INC COMMON STOCK USD.01		567,474.50	0.042%	93.338%
564	ULTA BEAUTY INC COMMON STOCK USD.01		567,053.52	0.042%	93.379%
565	CHARLES RIVER LABORATORIES COMMON STOCK USD.01		566,789.40	0.042%	93.421%
566	WILLIAMS SONOMA INC COMMON STOCK USD.01		566,009.28	0.042%	93.463%
567	WABTEC CORP COMMON STOCK USD.01		565,323.00	0.042%	93.505%
568	ALLEGHANY CORP COMMON STOCK USD1.0		565,284.80	0.042%	93.547%
569	EPAM SYSTEMS INC COMMON STOCK USD.001		564,927.16	0.042%	93.588%
570	CHENIERE ENERGY INC COMMON STOCK USD.003		563,416.45	0.042%	93.630%
571	JANUS HENDERSON GROUP PLC COMMON STOCK		560,544.60	0.041%	93.671%
572	RYDER SYSTEM INC COMMON STOCK USD.5		558,444.88	0.041%	93.713%
573	CDW CORP/DE COMMON STOCK USD.01		557,277.06	0.041%	93.754%
574	NVR INC COMMON STOCK USD.01		557,200.00	0.041%	93.795%
575	RENAISSANCERE HOLDINGS LTD COMMON STOCK USD1.0		555,979.14	0.041%	93.836%
576	WR BERKLEY CORP COMMON STOCK USD.2		555,791.50	0.041%	93.877%
577	TAKE TWO INTERACTIVE SOFTWARE COMMON STOCK USD.01		555,488.18	0.041%	93.918%
578	SEI INVESTMENTS COMPANY COMMON STOCK USD.01		552,685.98	0.041%	93.959%
579	APTARGROUP INC COMMON STOCK USD.01		551,107.05	0.041%	94.000%
580	ROYAL GOLD INC COMMON STOCK USD.01		550,684.31	0.041%	94.040%
581	PEOPLE S UNITED FINANCIAL COMMON STOCK USD.01		549,126.48	0.041%	94.081%
582	NATIONAL INSTRUMENTS CORP COMMON STOCK USD.01		546,358.28	0.040%	94.121%
583	TORO CO COMMON STOCK USD1.0		545,937.90	0.040%	94.162%
584	COPA HOLDINGS SA CLASS A COMMON STOCK		545,905.72	0.040%	94.202%
585	SIGNATURE BANK COMMON STOCK USD.01		545,371.90	0.040%	94.242%
586	STERIS PLC COMMON STOCK		545,222.40	0.040%	94.283%
587	CHURCH + DWIGHT CO INC COMMON STOCK USD1.0		544,039.08	0.040%	94.323%
588	EQT CORP COMMON STOCK		542,706.73	0.040%	94.363%
589	POOL CORP COMMON STOCK USD.001		541,598.88	0.040%	94.403%
590	BIO TECHNE CORP COMMON STOCK USD.01		539,816.96	0.040%	94.443%
591	AUTODESK INC COMMON STOCK USD.01		538,989.36	0.040%	94.482%

Row Id	Security Name	Notional Amount USD	Market Value USD	Asset Weight	Cumulative Weight
Equity		1,353,721,919.23			100.000%
592	FIRSTENERGY CORP COMMON STOCK USD.1		538,208.25	0.040%	94.522%
593	EATON VANCE CORP COMMON STOCK USD.00390625		534,766.02	0.040%	94.562%
594	EAGLE MATERIALS INC COMMON STOCK USD.01		532,356.30	0.039%	94.601%
595	LULULEMON ATHLETICA INC COMMON STOCK USD.005		531,957.28	0.039%	94.640%
596	QUANTA SERVICES INC COMMON STOCK USD.00001		530,810.55	0.039%	94.680%
597	AMERICAN WATER WORKS CO INC COMMON STOCK USD.01		530,559.80	0.039%	94.719%
598	SYNOPSIS INC COMMON STOCK USD.01		530,405.28	0.039%	94.758%
599	STERLING BANCORP/DE COMMON STOCK USD.01		529,925.00	0.039%	94.797%
600	AMERCO COMMON STOCK USD.25		529,728.50	0.039%	94.836%
601	HUBBELL INC COMMON STOCK USD.01		529,134.10	0.039%	94.875%
602	CENTERPOINT ENERGY INC COMMON STOCK USD.01		525,422.40	0.039%	94.914%
603	CADENCE DESIGN SYS INC COMMON STOCK USD.01		519,523.33	0.038%	94.953%
604	EMCOR GROUP INC COMMON STOCK USD.01		518,312.43	0.038%	94.991%
605	WESTERN UNION CO COMMON STOCK USD.01		518,056.20	0.038%	95.029%
606	BOK FINANCIAL CORPORATION COMMON STOCK USD.00006		517,519.72	0.038%	95.067%
607	COGNEX CORP COMMON STOCK USD.002		515,636.82	0.038%	95.105%
608	VARIAN MEDICAL SYSTEMS INC COMMON STOCK USD1.0		508,384.25	0.038%	95.143%
609	JACK HENRY + ASSOCIATES INC COMMON STOCK USD.01		508,231.90	0.038%	95.180%
610	DISCOVERY INC C COMMON STOCK USD.01		507,656.64	0.038%	95.218%
611	BEMIS COMPANY COMMON STOCK USD.1		505,441.28	0.037%	95.255%
612	OLD REPUBLIC INTL CORP COMMON STOCK USD1.0		505,362.00	0.037%	95.293%
613	MASCO CORP COMMON STOCK USD1.0		505,216.92	0.037%	95.330%
614	SEALED AIR CORP COMMON STOCK USD.1		504,536.89	0.037%	95.367%
615	LIBERTY MEDIA COR SIRIUSXM C TRACKING STK USD.01		502,495.85	0.037%	95.404%
616	HELMERICH + PAYNE COMMON STOCK USD.1		502,328.32	0.037%	95.441%
617	CSRA INC COMMON STOCK USD.001		497,522.41	0.037%	95.478%
618	BERRY GLOBAL GROUP INC COMMON STOCK USD.01		495,866.07	0.037%	95.515%
619	PARSLEY ENERGY INC CLASS A COMMON STOCK USD.01		494,888.29	0.037%	95.551%
620	ATHENE HOLDING LTD CLASS A COMMON STOCK		494,068.54	0.036%	95.588%
621	INTL FLAVORS + FRAGRANCES COMMON STOCK USD.125		493,697.46	0.036%	95.624%
622	ARRIS INTERNATIONAL PLC COMMON STOCK GBP.0001		493,484.61	0.036%	95.661%
623	DOMINO S PIZZA INC COMMON STOCK USD.01		491,643.80	0.036%	95.697%
624	ENTERGY CORP COMMON STOCK USD.01		491,035.74	0.036%	95.733%
625	ATHENAHEALTH INC COMMON STOCK USD.01		489,448.66	0.036%	95.770%
626	F5 NETWORKS INC COMMON STOCK		487,769.53	0.036%	95.806%
627	CAMPBELL SOUP CO COMMON STOCK USD.0375		485,764.96	0.036%	95.841%
628	MURPHY OIL CORP COMMON STOCK USD1.0		485,120.16	0.036%	95.877%
629	PRA HEALTH SCIENCES INC COMMON STOCK USD.01		482,578.32	0.036%	95.913%

Row Id	Security Name	Notional Amount USD	Market Value USD	Asset Weight	Cumulative Weight
Equity		1,353,721,919.23			100.000%
630	VERISIGN INC COMMON STOCK USD.001		479,930.88	0.035%	95.948%
631	RPM INTERNATIONAL INC COMMON STOCK USD.01		479,226.51	0.035%	95.984%
632	BIO RAD LABORATORIES A COMMON STOCK USD.0001		478,903.20	0.035%	96.019%
633	SPECTRUM BRANDS HOLDINGS INC COMMON STOCK USD.01		477,434.80	0.035%	96.054%
634	CRANE CO COMMON STOCK USD1.0		474,457.84	0.035%	96.090%
635	VAIL RESORTS INC COMMON STOCK USD.01		471,555.90	0.035%	96.124%
636	TOLL BROTHERS INC COMMON STOCK USD.01		469,781.50	0.035%	96.159%
637	NORDSON CORP COMMON STOCK		467,373.52	0.035%	96.194%
638	GREAT PLAINS ENERGY INC COMMON STOCK		466,550.04	0.034%	96.228%
639	BURLINGTON STORES INC COMMON STOCK USD.0001		466,025.00	0.034%	96.262%
640	SCOTTS MIRACLE GRO CO COMMON STOCK USD.01		465,965.50	0.034%	96.297%
641	UBIQUITI NETWORKS INC COMMON STOCK USD.001		458,758.40	0.034%	96.331%
642	HASBRO INC COMMON STOCK USD.5		450,077.70	0.033%	96.364%
643	NEWS CORP CLASS A COMMON STOCK USD.01		449,604.80	0.033%	96.397%
644	WORKDAY INC CLASS A COMMON STOCK USD.001		449,460.96	0.033%	96.430%
645	CASEY S GENERAL STORES INC COMMON STOCK NPV		449,288.61	0.033%	96.464%
646	CROWN HOLDINGS INC COMMON STOCK USD5.0		446,092.50	0.033%	96.497%
647	ALLIANT ENERGY CORP COMMON STOCK USD.01		445,374.00	0.033%	96.529%
648	AQUA AMERICA INC COMMON STOCK USD.5		445,266.38	0.033%	96.562%
649	ENERGEN CORP COMMON STOCK USD.01		444,734.50	0.033%	96.595%
650	AECOM COMMON STOCK USD.01		442,560.23	0.033%	96.628%
651	CENTENNIAL RESOURCE DEVELO A COMMON STOCK USD.0001		441,078.95	0.033%	96.661%
652	PENSKE AUTOMOTIVE GROUP INC COMMON STOCK USD.0001		437,581.43	0.032%	96.693%
653	MEDNAX INC COMMON STOCK USD.01		435,805.42	0.032%	96.725%
654	ASSURANT INC COMMON STOCK USD.01		435,477.24	0.032%	96.757%
655	BGC PARTNERS INC CL A COMMON STOCK USD.01		434,435.00	0.032%	96.789%
656	ZILLOW GROUP INC C COMMON STOCK		426,203.60	0.031%	96.821%
657	UGI CORP COMMON STOCK		425,632.44	0.031%	96.852%
658	STERICYCLE INC COMMON STOCK USD.01		425,103.39	0.031%	96.884%
659	ALLEGION PLC COMMON STOCK USD.01		423,038.40	0.031%	96.915%
660	DISH NETWORK CORP A COMMON STOCK USD.01		422,208.27	0.031%	96.946%
661	COHERENT INC COMMON STOCK USD.01		421,837.40	0.031%	96.977%
662	NEWMARKET CORP COMMON STOCK		420,157.28	0.031%	97.008%
663	CDK GLOBAL INC COMMON STOCK USD.01		419,690.84	0.031%	97.039%
664	SMITH (A.O.) CORP COMMON STOCK USD1.0		418,422.20	0.031%	97.070%
665	EURONET WORLDWIDE INC COMMON STOCK USD.02		415,277.04	0.031%	97.101%
666	GUIDEWIRE SOFTWARE INC COMMON STOCK USD.0001		412,879.64	0.030%	97.131%
667	LENNOX INTERNATIONAL INC COMMON STOCK USD.01		411,396.81	0.030%	97.162%

Row Id	Security Name	Notional Amount USD	Market Value USD	Asset Weight	Cumulative Weight
Equity		1,353,721,919.23			100.000%
668	ALNYLAM PHARMACEUTICALS INC COMMON STOCK USD.01		408,751.20	0.030%	97.192%
669	WABCO HOLDINGS INC COMMON STOCK USD.01		403,618.05	0.030%	97.222%
670	ACUITY BRANDS INC COMMON STOCK USD.01		402,398.29	0.030%	97.251%
671	INTERNATIONAL GAME TECHNOLOG COMMON STOCK USD.1		397,047.42	0.029%	97.281%
672	FACTSET RESEARCH SYSTEMS INC COMMON STOCK USD.01		395,848.70	0.029%	97.310%
673	NEWELL BRANDS INC COMMON STOCK USD1.0		393,869.84	0.029%	97.339%
674	PALO ALTO NETWORKS INC COMMON STOCK USD.0001		392,990.80	0.029%	97.368%
675	MSC INDUSTRIAL DIRECT CO A COMMON STOCK USD.001		390,959.73	0.029%	97.397%
676	AXIS CAPITAL HOLDINGS LTD COMMON STOCK USD.0125		390,439.74	0.029%	97.426%
677	SIX FLAGS ENTERTAINMENT CORP COMMON STOCK		387,942.06	0.029%	97.455%
678	OGE ENERGY CORP COMMON STOCK USD.01		387,865.72	0.029%	97.483%
679	DISCOVERY INC A COMMON STOCK USD.01		387,775.85	0.029%	97.512%
680	ASPEN TECHNOLOGY INC COMMON STOCK USD.1		386,797.67	0.029%	97.540%
681	ROLLINS INC COMMON STOCK USD1.0		386,297.10	0.029%	97.569%
682	PROSPERITY BANCSHARES INC COMMON STOCK USD1.0		384,430.59	0.028%	97.597%
683	BRUKER CORP COMMON STOCK USD.01		381,509.92	0.028%	97.626%
684	TRIMBLE INC COMMON STOCK		373,510.80	0.028%	97.653%
685	INCYTE CORP COMMON STOCK USD.001		367,735.29	0.027%	97.680%
686	NISOURCE INC COMMON STOCK USD.01		364,723.14	0.027%	97.707%
687	FIRST HORIZON NATIONAL CORP COMMON STOCK USD.625		364,322.84	0.027%	97.734%
688	WEBSTER FINANCIAL CORP COMMON STOCK USD.01		363,147.00	0.027%	97.761%
689	SIRIUS XM HOLDINGS INC COMMON STOCK USD.001		361,408.32	0.027%	97.788%
690	NORDSTROM INC COMMON STOCK		359,783.12	0.027%	97.814%
691	DOLBY LABORATORIES INC CL A COMMON STOCK USD.001		358,986.88	0.027%	97.841%
692	WOODWARD INC COMMON STOCK USD.00292		358,371.66	0.026%	97.867%
693	L BRANDS INC COMMON STOCK USD.5		357,836.65	0.026%	97.894%
694	H+R BLOCK INC COMMON STOCK		356,121.15	0.026%	97.920%
695	DUNKIN BRANDS GROUP INC COMMON STOCK USD.001		352,588.83	0.026%	97.946%
696	SPLUNK INC COMMON STOCK USD.001		349,579.67	0.026%	97.972%
697	GARTNER INC COMMON STOCK USD.0005		346,743.76	0.026%	97.997%
698	NEKTAR THERAPEUTICS COMMON STOCK USD.0001		343,432.32	0.025%	98.023%
699	ATMOS ENERGY CORP COMMON STOCK		340,666.56	0.025%	98.048%
700	NCR CORPORATION COMMON STOCK USD.01		339,722.56	0.025%	98.073%
701	BLUEBIRD BIO INC COMMON STOCK USD.01		338,938.75	0.025%	98.098%
702	TRINITY INDUSTRIES INC COMMON STOCK USD.01		338,536.25	0.025%	98.123%
703	MARKETAXESS HOLDINGS INC COMMON STOCK USD.003		335,727.36	0.025%	98.148%
704	CORE LABORATORIES N.V. COMMON STOCK EUR.02		332,127.18	0.025%	98.172%
705	UNIVERSAL DISPLAY CORP COMMON STOCK USD.01		331,684.00	0.025%	98.197%

Row Id	Security Name	Notional Amount USD	Market Value USD	Asset Weight	Cumulative Weight
Equity			1,353,721,919.23		100.000%
706	VMWARE INC CLASS A COMMON STOCK USD.01		331,673.45	0.025%	98.221%
707	TABLEAU SOFTWARE INC CL A COMMON STOCK USD.0001		327,240.18	0.024%	98.246%
708	COSTAR GROUP INC COMMON STOCK USD.01		325,323.96	0.024%	98.270%
709	ENVISION HEALTHCARE CORP COMMON STOCK		323,964.90	0.024%	98.294%
710	HEICO CORP COMMON STOCK USD.01		323,020.01	0.024%	98.317%
711	GODADDY INC CLASS A COMMON STOCK USD.001		320,489.56	0.024%	98.341%
712	PTC INC COMMON STOCK USD.01		320,387.07	0.024%	98.365%
713	CAVIUM INC COMMON STOCK USD.001		319,663.26	0.024%	98.388%
714	PINNACLE FINANCIAL PARTNERS COMMON STOCK USD1.0		317,404.80	0.023%	98.412%
715	LAMB WESTON HOLDINGS INC COMMON STOCK USD1.0		317,007.90	0.023%	98.435%
716	AVNET INC COMMON STOCK USD1.0		316,248.48	0.023%	98.459%
717	CHIPOTLE MEXICAN GRILL INC COMMON STOCK USD.01		315,355.36	0.023%	98.482%
718	ULTIMATE SOFTWARE GROUP INC COMMON STOCK USD.01		314,373.00	0.023%	98.505%
719	PINNACLE WEST CAPITAL COMMON STOCK		312,417.00	0.023%	98.528%
720	ASHLAND GLOBAL HOLDINGS INC COMMON STOCK		310,356.13	0.023%	98.551%
721	GARDNER DENVER HOLDINGS INC COMMON STOCK USD.01		306,217.08	0.023%	98.574%
722	TRIPADVISOR INC COMMON STOCK USD.001		305,039.40	0.023%	98.596%
723	GCI LIBERTY INC CLASS A COMMON STOCK		304,473.60	0.022%	98.619%
724	MATTEL INC COMMON STOCK USD1.0		303,909.65	0.022%	98.641%
725	ERIE INDEMNITY COMPANY CL A COMMON STOCK		303,158.28	0.022%	98.664%
726	HEICO CORP CLASS A COMMON STOCK USD.01		301,537.50	0.022%	98.686%
727	MOLINA HEALTHCARE INC COMMON STOCK USD.001		300,366.00	0.022%	98.708%
728	SOUTHERN COPPER CORP COMMON STOCK USD.01		298,748.52	0.022%	98.730%
729	PILGRIM S PRIDE CORP COMMON STOCK USD.01		298,125.54	0.022%	98.752%
730	HANESBRANDS INC COMMON STOCK USD.01		297,575.10	0.022%	98.774%
731	TYLER TECHNOLOGIES INC COMMON STOCK USD.01		296,609.76	0.022%	98.796%
732	FNB CORP COMMON STOCK USD.01		296,061.40	0.022%	98.818%
733	HOWARD HUGHES CORP/THE COMMON STOCK		294,955.60	0.022%	98.840%
734	MAXIMUS INC COMMON STOCK		294,857.32	0.022%	98.862%
735	FIRST DATA CORP CLASS A COMMON STOCK USD.01		294,592.00	0.022%	98.883%
736	BAKER HUGHES A GE CO COMMON STOCK USD.0001		289,696.64	0.021%	98.905%
737	MACQUARIE INFRASTRUCTURE COR COMMON STOCK USD.001		285,099.60	0.021%	98.926%
738	LIONS GATE ENTERTAINMENT B COMMON STOCK		284,432.96	0.021%	98.947%
739	MADISON SQUARE GARDEN CO A COMMON STOCK USD.01		283,899.00	0.021%	98.968%
740	HAIN CELESTIAL GROUP INC COMMON STOCK USD.01		282,408.42	0.021%	98.989%
741	ADVANCED MICRO DEVICES COMMON STOCK USD.01		276,746.85	0.020%	99.009%
742	WESTAR ENERGY INC COMMON STOCK USD5.0		274,940.52	0.020%	99.029%
743	EXELIXIS INC COMMON STOCK USD.001		272,710.80	0.020%	99.050%

Row Id	Security Name	Notional Amount USD	Market Value USD	Asset Weight	Cumulative Weight
Equity		1,353,721,919.23			100.000%
744	AES CORP COMMON STOCK USD.01		271,720.26	0.020%	99.070%
745	MDU RESOURCES GROUP INC COMMON STOCK USD1.0		265,323.52	0.020%	99.089%
746	SPRINT CORP COMMON STOCK USD.01		264,022.64	0.020%	99.109%
747	VALVOLINE INC COMMON STOCK USD.01		263,479.78	0.019%	99.128%
748	SYNEOS HEALTH INC COMMON STOCK USD.01		263,339.00	0.019%	99.148%
749	COLFAX CORP COMMON STOCK USD.001		261,739.50	0.019%	99.167%
750	SQUARE INC A COMMON STOCK USD.000001		260,071.20	0.019%	99.186%
751	NEUROCRINE BIOSCIENCES INC COMMON STOCK USD.001		258,990.39	0.019%	99.205%
752	WR GRACE + CO COMMON STOCK USD.01		256,492.47	0.019%	99.224%
753	INVESTORS BANCORP INC COMMON STOCK USD.01		254,454.20	0.019%	99.243%
754	ALKERMES PLC COMMON STOCK USD.01		252,299.88	0.019%	99.262%
755	LIONS GATE ENTERTAINMENT A COMMON STOCK NPV		246,573.18	0.018%	99.280%
756	VEEVA SYSTEMS INC CLASS A COMMON STOCK USD.00001		244,543.98	0.018%	99.298%
757	VECTREN CORP COMMON STOCK		243,854.80	0.018%	99.316%
758	ECHOSTAR CORP A COMMON STOCK USD.001		238,414.86	0.018%	99.334%
759	NUANCE COMMUNICATIONS INC COMMON STOCK USD.001		225,760.50	0.017%	99.350%
760	UNDER ARMOUR INC CLASS C COMMON STOCK USD.000333		224,864.50	0.017%	99.367%
761	HYATT HOTELS CORP CL A COMMON STOCK USD.01		224,356.92	0.017%	99.383%
762	AVANGRID INC COMMON STOCK USD.01		222,934.32	0.016%	99.400%
763	GENESEE + WYOMING INC CL A COMMON STOCK USD.01		222,846.92	0.016%	99.416%
764	UNDER ARMOUR INC CLASS A COMMON STOCK USD.000333		222,425.40	0.016%	99.433%
765	TARO PHARMACEUTICAL INDUS COMMON STOCK ILS.0001		220,091.46	0.016%	99.449%
766	DELPHI TECHNOLOGIES PLC COMMON STOCK USD.01		219,428.25	0.016%	99.465%
767	LIBERTY MEDIA COR SIRIUSXM A TRACKING STK USD.01		219,350.70	0.016%	99.481%
768	FIRST CITIZENS BCSHS CL A COMMON STOCK USD1.0		212,405.36	0.016%	99.497%
769	ZILLOW GROUP INC A COMMON STOCK USD.0001		210,708.00	0.016%	99.513%
770	RANGE RESOURCES CORP COMMON STOCK USD.01		210,597.36	0.016%	99.528%
771	IONIS PHARMACEUTICALS INC COMMON STOCK USD.001		204,487.12	0.015%	99.543%
772	EXACT SCIENCES CORP COMMON STOCK USD.01		201,811.32	0.015%	99.558%
773	SCANA CORP COMMON STOCK		194,584.10	0.014%	99.573%
774	ASSURED GUARANTY LTD COMMON STOCK USD.01		192,366.80	0.014%	99.587%
775	PROOFPOINT INC COMMON STOCK USD.0001		191,613.90	0.014%	99.601%
776	NEWS CORP CLASS B COMMON STOCK		191,268.00	0.014%	99.615%
777	FORTINET INC COMMON STOCK USD.001		190,905.54	0.014%	99.629%
778	NATIONAL FUEL GAS CO COMMON STOCK USD1.0		188,564.25	0.014%	99.643%
779	NATIONAL BEVERAGE CORP COMMON STOCK USD.01		185,517.68	0.014%	99.657%
780	DUN + BRADSTREET CORP COMMON STOCK USD.01		182,988.00	0.014%	99.670%
781	MICHAELS COS INC/THE COMMON STOCK USD.06775		182,928.51	0.014%	99.684%

Row Id	Security Name	Notional Amount USD	Market Value USD	Asset Weight	Cumulative Weight
Equity			1,353,721,919.23		100.000%
782	CABLE ONE INC COMMON STOCK USD.01		179,335.71	0.013%	99.697%
783	PATTERSON UTI ENERGY INC COMMON STOCK USD.01		178,689.55	0.013%	99.710%
784	MASIMO CORP COMMON STOCK USD.001		170,095.30	0.013%	99.723%
785	BROWN FORMAN CORP CLASS A COMMON STOCK USD.15		166,176.28	0.012%	99.735%
786	AIR LEASE CORP COMMON STOCK USD.01		164,768.92	0.012%	99.747%
787	DEXCOM INC COMMON STOCK USD.001		164,486.88	0.012%	99.760%
788	SEATTLE GENETICS INC COMMON STOCK USD.001		160,003.38	0.012%	99.771%
789	TFS FINANCIAL CORP COMMON STOCK USD.01		157,418.04	0.012%	99.783%
790	LIBERTY BROADBAND A COMMON STOCK USD.01		155,353.60	0.011%	99.794%
791	CHENIERE ENERGY PART LP HOLD COMMON STOCK		153,622.04	0.011%	99.806%
792	NUTANIX INC A COMMON STOCK USD.000025		152,732.10	0.011%	99.817%
793	PREMIER INC CLASS A COMMON STOCK USD.01		151,258.61	0.011%	99.828%
794	VERSUM MATERIALS INC COMMON STOCK USD1.0		150,632.89	0.011%	99.839%
795	RPC INC COMMON STOCK USD.1		143,861.37	0.011%	99.850%
796	MATCH GROUP INC COMMON STOCK USD.001		142,341.32	0.011%	99.861%
797	MONOLITHIC POWER SYSTEMS INC COMMON STOCK USD.001		142,049.79	0.010%	99.871%
798	VISTEON CORP COMMON STOCK		137,579.52	0.010%	99.881%
799	SAGE THERAPEUTICS INC COMMON STOCK USD.0001		135,943.08	0.010%	99.891%
800	ITT INC COMMON STOCK USD1.0		126,319.42	0.009%	99.901%
801	TRANSOCEAN LTD COMMON STOCK CHF.1		115,681.50	0.009%	99.909%
802	ATLISSIAN CORP PLC CLASS A COMMON STOCK USD.1		113,232.00	0.008%	99.917%
803	LIBERTY MEDIA CORP LIBERTY C TRACKING STK USD.01		94,863.75	0.007%	99.924%
804	WAYFAIR INC CLASS A COMMON STOCK USD.001		94,204.35	0.007%	99.931%
805	HILTON GRAND VACATIONS INC COMMON STOCK USD.01		91,073.34	0.007%	99.938%
806	DANA INC COMMON STOCK USD.01		87,120.32	0.006%	99.945%
807	TERADATA CORP COMMON STOCK USD.01		82,315.25	0.006%	99.951%
808	AKORN INC COMMON STOCK		78,600.71	0.006%	99.956%
809	CNA FINANCIAL CORP COMMON STOCK USD2.5		71,705.55	0.005%	99.962%
810	UNIVAR INC COMMON STOCK USD.01		71,484.00	0.005%	99.967%
811	VIRTU FINANCIAL INC CLASS A COMMON STOCK USD.00001		62,700.00	0.005%	99.972%
812	LENNAR CORP B SHS COMMON STOCK USD.1		58,324.87	0.004%	99.976%
813	VIACOM INC CLASS A COMMON STOCK USD.001		57,657.60	0.004%	99.980%
814	KIRBY CORP COMMON STOCK USD.1		55,019.25	0.004%	99.984%
815	UMPQUA HOLDINGS CORP COMMON STOCK		51,062.85	0.004%	99.988%
816	LIBERTY MEDIA CORP LIBERTY A TRACKING STK USD.01		39,072.86	0.003%	99.991%
817	INTEGRATED DEVICE TECH INC COMMON STOCK USD.001		38,230.56	0.003%	99.994%
818	MORNINGSTAR INC COMMON STOCK		37,061.76	0.003%	99.997%
819	COLONY NORTHSTAR INC CLASS A REIT USD.01		29,786.00	0.002%	99.999%

Row Id	Security Name	Notional Amount USD	Market Value USD	Asset Weight	Cumulative Weight
Equity			1,353,721,919.23		100.000%
820	SEABOARD CORP COMMON STOCK USD1.0		17,060.00	0.001%	100.000%
821	SAFEWAY PDC LLC CVR COMMON STOCK		2.06	0.000%	100.000%
Total			1,353,721,919.23		100.00%