

In an effort to maintain transparency and accountability to stakeholders, our public equity disclosure lists include both long and short exposures obtained through derivative instruments in addition to physical positions so as to provide a more complete view of our economic exposure to individual company names. We believe that this form of disclosure best reflects the Fund's true investment position.

KEY DISCLOSURE ELEMENTS

> Exposures include physical equity positions as well as synthetic exposures obtained through derivative securities such as swaps, subject to data availability. Voting rights are typically not attached to economic exposure attained through derivatives.

> Does not include positions managed by a third party investment manager for which CPPIB has no discretionary investment authority.

> Does not include certain investments which are kept confidential to avoid signalling our intentions to the market. We will publicly disclose any individual investment required to be disclosed under relevant securities regulations.

> Only publicly traded equity exposures with positive net market values greater than \$1 million appear in the list.

Foreign Publicly-Traded Equity Holdings

As of March 31, 2019

Equity Holding	Shares (^{'000})	Market Value (CAD \$ millions)	Country of Exposure
3i Group PLC	828		14 United Kingdom
3M Co	390		108 United States
515J Holding Group Co Ltd	1949		3 China
a2 Milk Co Ltd	94		1 New Zealand
A2A SpA	10727		26 Italy
AA PLC	4444		7 United Kingdom
AAK AB	309		6 Sweden
Aalberts Industries NV	106		5 Netherlands
ABB Ltd	4520		113 Switzerland
Abbott Laboratories	3100		331 United States
AbbVie Inc	3922		422 United States
ABC-Mart Inc	43		3 Japan
Abercrombie & Fitch Co	472		17 United States
Abertis Infraestructuras SA	410		11 Spain
ABIOMED Inc	6		2 United States
Aboitiz Equity Ventures Inc	10520		16 Philippines
Aboitiz Power Corp	8436		8 Philippines
Absa Group Ltd	2280		32 South Africa
Abu Dhabi Commercial Bank PJSC	10975		38 United Arab Emirates
Acacia Communications Inc	29		2 United States
Accelink Technologies Co Ltd	1997		13 China
Acciona SA	116		17 Spain
Accton Technology Corp	2161		12 Taiwan
Acer Inc	19480		17 Taiwan
Ackermans & van Haaren NV	34		7 Belgium
Acom Co Ltd	1068		5 Japan
ACS Actividades de Construccion y Servicios SA	213		13 Spain
Activia Properties Inc	2		10 Japan
Activision Blizzard Inc	464		28 United States
Acuity Brands Inc	31		5 United States
ADAMA Ltd	524		1 China
Adani Ports & Special Economic Zone Ltd	146		1 India
Adaro Energy Tbk PT	81669		10 Indonesia
Addsino Co Ltd	5632		12 China
Adient PLC	91		2 United States
Adtalem Global Education Inc	187		12 United States
Advance Auto Parts Inc	209		48 United States
Advance Residence Investment Corp	4		17 Japan
Advanced Disposal Services Inc	16572		620 United States
Advanced Info Service PCL	2727		21 Thailand
Advanced Info Service PCL Depositary Receipt	3308		26 Thailand
Advanced Technology & Materials Co Ltd	3164		4 China
Advantest Corp	1042		32 Japan
Adyen NV	269		282 Netherlands
AECC Aero-Engine Control Co Ltd	3810		12 China
AECC Aviation Power Co Ltd	1279		7 China
Aena SME SA	94		23 Spain
Aeon Co Ltd	2341		65 Japan
AEON Financial Service Co Ltd	240		7 Japan
Aeon Mall Co Ltd	579		13 Japan
AerCap Holdings NV	31		2 Netherlands
Aerports de Paris	40		10 France
Aerospace CH UAV Co Ltd	1238		4 China
AES Corp/VA	4360		105 United States
Affiliated Managers Group Inc	50		7 United States
Aflac Inc	437		29 United States
AGC Inc/Japan	857		40 Japan
AGCO Corp	836		78 United States
Ageas	186		12 Belgium
Aggreko PLC	376		5 United Kingdom
Agilent Technologies Inc	465		50 United States
AGNC Investment Corp	188		5 United States

Agricultural Bank of China Ltd	90934	67 China
AIA Group Ltd	115079	1,531 Hong Kong
AIB Group PLC	26183	157 Ireland
Aiful Corp	578	2 Japan
Air China Ltd	3572	8 China
Air Liquide SA	65	11 France
Air Products & Chemicals Inc	395	101 United States
AirAsia Group Bhd	4783	4 Malaysia
Airbus SE	212	37 France
Airport City Ltd	104	2 Israel
Airports of Thailand PCL	11942	34 Thailand
Airports of Thailand PCL Depository Receipt	9469	27 Thailand
Airtac International Group	904	16 Taiwan
Aisin Seiki Co Ltd	119	6 Japan
Aisino Corp	623	3 China
Ajinomoto Co Inc	1994	43 Japan
Akamai Technologies Inc	4607	441 United States
Akbank T.A.S.	13392	20 Turkey
Aker BP ASA	287	14 Norway
AKR Corporindo Tbk PT	4488	2 Indonesia
Akzo Nobel NV	235	28 Netherlands
Alaska Air Group Inc	511	38 United States
Alcoa Corp	64	2 United States
Aldar Properties PJSC	20335	13 United Arab Emirates
Alexandria Real Estate Equities Inc	304	58 United States
Alexion Pharmaceuticals Inc	729	132 United States
Alfa SAB de CV	856	1 Mexico
Alfresa Holdings Corp	383	15 Japan
Aliance Shopping Centers SA	77434	531 Brazil
Alibaba Group Holding Ltd Depository Receipt	11096	2,705 China
Align Technology Inc	67	25 United States
Alior Bank SA	545	11 Poland
Alkermes PLC	1265	62 United States
Allergan PLC	901	176 United States
Alliance Bank Malaysia Bhd	3041	4 Malaysia
Alliance Data Systems Corp	28	6 United States
Alliance Global Group Inc	21081	9 Philippines
Allianz SE	83	25 Germany
Allison Transmission Holdings Inc	313	19 United States
Ally Financial Inc	340	12 United States
Alony Hetz Properties & Investments Ltd	121	2 Israel
Alpha Bank AE	3304	6 Greece
Alpha Group	1195	2 China
Alphabet Inc A	1547	2,432 United States
Alphabet Inc C	517	810 United States
Alps Alpine Co Ltd	201	6 Japan
Alrosa PJSC	727	1 Russia
Alstom SA	243	14 France
alstria office REIT-AG	606	13 Germany
Altice USA Inc	28888	829 United States
Altria Group Inc	6244	479 United States
Aluminum Corp of China Ltd	2402	2 China
Amada Holdings Co Ltd	1107	15 Japan
AMAG Pharmaceuticals Inc	135	2 United States
Amazon.com Inc	47	111 United States
Ambuja Cements Ltd	751	3 India
AMC Entertainment Holdings Inc	1319	26 United States
AMC Networks Inc	163	12 United States
Amdocs Ltd	39	3 United States
Ameren Corp	1132	111 United States
America Movil SAB de CV	9497	9 Mexico
American Airlines Group Inc	802	34 United States
American Axle & Manufacturing Holdings Inc	234	4 United States
American Campus Communities Inc	66	4 United States
American Eagle Outfitters Inc	484	14 United States
American Electric Power Co Inc	1590	178 United States
American Express Co	584	85 United States
American Financial Group Inc/OH	48	6 United States
American Homes 4 Rent	107	3 United States
American International Group Inc	11117	640 United States
American Outdoor Brands Corp	741	9 United States
American Tower Corp	1579	416 United States
American Water Works Co Inc	284	40 United States
Ameriprise Financial Inc	138	24 United States
AmerisourceBergen Corp	405	43 United States
Amgen Inc	1804	458 United States
Amkor Technology Inc	89	1 United States
AMMB Holdings Bhd	5637	8 Malaysia
AMN Healthcare Services Inc	94	6 United States
Amorepacific Corp	735	163 South Korea
Amot Investments Ltd	225	2 Israel
AmRest Holdings SE	290	4 Poland
An Hui Wenergy Co Ltd	6573	7 China
ANA Holdings Inc	394	19 Japan
Anadolu Efes Biracilik Ve Malt Sanayii AS	1014	4 Turkey
ANDRITZ AG	61	4 Austria
Angang Steel Co Ltd	3821	4 China

Angel Yeast Co Ltd	3035	16 China
Anglo American Platinum Ltd	268	18 South Africa
Anglo American PLC	653	23 United Kingdom
AngloGold Ashanti Ltd	2264	40 South Africa
AngloGold Ashanti Ltd Depository Receipt	69	1 South Africa
Anheuser-Busch InBev SA/NV	1642	184 Belgium
Anhui Conch Cement Co Ltd	1972	15 China
Anhui Expressway Co Ltd	863	1 China
Anhui Gujing Distillery Co Ltd	965	21 China
Anhui Hengyuan Coal Industry and Electricity Power Co Ltd	2570	4 China
Anhui Jianghuai Automobile Group Corp Ltd	6962	7 China
Anhui Kouzi Distillery Co Ltd	411	4 China
Anhui Wanjiang Logistics Group Co Ltd	12572	7 China
Anhui Xinhua Media Co Ltd	4820	8 China
Anhui Yingjia Distillery Co Ltd	1660	6 China
Anhui Zhongding Sealing Parts Co Ltd	3927	10 China
Anima Holding SpA	625	3 Italy
Annaly Capital Management Inc	726	10 United States
Anritsu Corp	199	5 Japan
ANTA Sports Products Ltd	900	8 China
Antero Resources Corp	1066	13 United States
Anthem Inc	605	232 United States
Antong Holdings Co Ltd	4372	6 China
Anxin Trust Co Ltd	5208	7 China
Aon PLC	104	24 United States
Aotecar New Energy Technology Co Ltd	4092	2 China
Aoyama Trading Co Ltd	429	13 Japan
AP Moller - Maersk A/S	8	13 Denmark
Apartment Investment & Management Co	168	11 United States
Applied Materials Inc	333	18 United States
AptarGroup Inc	46	6 United States
Aptiv PLC	523	55 United States
Aramark	57	2 United States
Arcelik AS	1228	5 Turkey
ArcelorMittal	538	15 Luxembourg
Arch Capital Group Ltd	435	19 United States
Archer-Daniels-Midland Co	1990	115 United States
Arconic Inc	210	5 United States
Ares Capital Corp	109	2 United States
Arkema SA	108	14 France
Armstrong World Industries Inc	404	43 United States
Array BioPharma Inc	571	19 United States
ARRIS International PLC	148	6 United States
Arthur J Gallagher & Co	168	17 United States
Asahi Group Holdings Ltd	1477	88 Japan
Asahi Intecc Co Ltd	392	25 Japan
Asahi Kasei Corp	4671	64 Japan
Ascena Retail Group Inc	1306	2 United States
Ascendas Real Estate Investment Trust	5271	15 Singapore
ASE Technology Holding Co Ltd	9969	29 Taiwan
Aselsan Elektronik Sanayi Ve Ticaret AS	1087	5 Turkey
Ashland Global Holdings Inc	88	9 United States
Ashtead Group PLC	388	13 United Kingdom
Asia Cement Corp	15840	28 Taiwan
Asian Paints Ltd	81	2 India
Asics Corp	540	10 Japan
ASM International NV	24	2 Netherlands
ASM Pacific Technology Ltd	118	2 Hong Kong
ASML Holding NV	1754	440 Netherlands
Aspen Pharmacare Holdings Ltd	1763	15 South Africa
ASR Nederland NV	37	2 Netherlands
Assa Abloy AB	90	3 Sweden
Assicurazioni Generali SpA	82	2 Italy
Assore Ltd	144	5 South Africa
Astellas Pharma Inc	6994	140 Japan
Astra Agro Lestari Tbk PT	1385	1 Indonesia
Astra International Tbk PT	97862	67 Indonesia
AstraZeneca PLC Depository Receipt	593	32 United Kingdom
Astro Malaysia Holdings Bhd	4768	2 Malaysia
Asustek Computer Inc	4612	45 Taiwan
Asymchem Laboratories Tianjin Co Ltd	233	4 China
AT&T Inc	11976	502 United States
Athene Holding Ltd	243	13 United States
Atlantia SpA	382	13 Italy
Atlas Copco AB A	170	6 Sweden
Atlas Copco AB B	304	10 Sweden
Atlassian Corp PLC	20	3 Australia
AU Optronics Corp	62275	31 Taiwan
AU Optronics Corp Depository Receipt	1040	5 Taiwan
Aurobindo Pharma Ltd	74	1 India
Ausnutria Dairy Corp Ltd	2116	4 China
Austevoll Seafood ASA	143	2 Norway
Autobio Diagnostics Co Ltd	511	7 China
Autoliv Inc	56	6 United States
AutoZone Inc	33	46 United States
AvalonBay Communities Inc	508	136 United States
Avangrid Inc	144	10 United States

Avery Dennison Corp	31	5 United States
AVIC Aircraft Co Ltd	1182	4 China
Avic Aviation High-Technology Co Ltd	3373	7 China
Avic Capital Co Ltd	7713	9 China
AVIC Electromechanical Systems Co Ltd	10200	16 China
Avic Heavy Machinery Co Ltd	2799	6 China
AVIC Helicopter Co Ltd	517	5 China
Avis Budget Group Inc	180	8 United States
Avista Corp	63	3 United States
Avnet Inc	231	13 United States
Avon Products Inc	424	2 United States
AXA Equitable Holdings Inc	18307	493 United States
AXA SA	892	30 France
Axfood AB	268	7 Sweden
Axiata Group Bhd	9846	13 Malaysia
Axis Bank Ltd	536	8 India
Axis Capital Holdings Ltd	24	2 United States
Axon Enterprise Inc	347	25 United States
Axtel SAB de CV	8519	1 Mexico
Ayala Corp	1278	31 Philippines
Ayala Land Inc	30032	34 Philippines
Azbil Corp	423	13 Japan
Azrieli Group Ltd	40	3 Israel
B Grimm Power PCL	907	1 Thailand
B Grimm Power PCL Depositary Receipt	2193	3 Thailand
BAE Systems PLC	1153	10 United Kingdom
Baidu Inc Depositary Receipt	125	28 China
Baiyin Nonferrous Group Co Ltd	2268	2 China
Bajaj Auto Ltd	24	1 India
Bajaj Finance Ltd	49	3 India
Bajaj Finserv Ltd	11	1 India
Ball Corp	1152	89 United States
Banco Comercial Portugues SA	30061	10 Portugal
Banco de Chile	7124	1 Chile
Banco de Credito e Inversiones SA	13	1 Chile
Banco de Sabadell SA	1482	2 Spain
Banco Santander Chile	18605	2 Chile
Banco Santander SA	26299	164 Spain
Bancolumbia SA	65	1 Colombia
Bancolumbia SA Preference	128	2 Colombia
Bandai Namco Holdings Inc	351	22 Japan
Bangkok Bank PCL	664	6 Thailand
Bangkok Bank PCL Depositary Receipt	1319	11 Thailand
Bangkok Bank PCL Foreign	404	4 Thailand
Bangkok Chain Hospital PCL Depositary Receipt	5121	4 Thailand
Bangkok Dusit Medical Services PCL	11822	12 Thailand
Bangkok Dusit Medical Services PCL Depositary Receipt	5817	6 Thailand
Bangkok Expressway & Metro PCL	17501	7 Thailand
Bangkok Expressway & Metro PCL Depositary Receipt	16323	7 Thailand
Bangkok Life Assurance PCL	1194	1 Thailand
Bank Central Asia Tbk PT	55320	144 Indonesia
Bank Danamon Indonesia Tbk PT	14481	13 Indonesia
Bank Handlowy w Warszawie SA	166	4 Poland
Bank Hapoalim BM	837	7 Israel
Bank Leumi Le-Israel BM	1125	10 Israel
Bank Mandiri Persero Tbk PT	90299	63 Indonesia
Bank Millennium SA	3030	9 Poland
Bank Negara Indonesia Persero Tbk PT	39072	34 Indonesia
Bank of America Corp	15547	573 United States
Bank of Beijing Co Ltd	2194	3 China
Bank of Chengdu Co Ltd	1208	2 China
Bank of China Ltd	55772	42 China
Bank of Communications Co Ltd A	6880	9 China
Bank of Communications Co Ltd H	6816	7 China
Bank of Guiyang Co Ltd	1196	3 China
Bank of Hangzhou Co Ltd	1510	3 China
Bank of Ireland Group PLC	862	7 Ireland
Bank of Jiangsu Co Ltd	2457	3 China
Bank of Kyoto Ltd/The	239	13 Japan
Bank of Nanjing Co Ltd	5902	9 China
Bank of New York Mellon Corp/The	949	64 United States
Bank of Ningbo Co Ltd	4466	19 China
Bank of Shanghai Co Ltd	2615	6 China
Bank of the Philippine Islands	7241	16 Philippines
Bank Pan Indonesia Tbk PT	11315	2 Indonesia
Bank Polska Kasa Opieki SA	775	30 Poland
Bank Rakyat Indonesia Persero Tbk PT	273460	106 Indonesia
Bank Tabungan Negara Persero Tbk PT	27715	6 Indonesia
Banpu PCL	5155	4 Thailand
Banpu PCL Depositary Receipt	4049	3 Thailand
Banpu Power PCL	1062	1 Thailand
Banpu Power PCL Depositary Receipt	4219	4 Thailand
Baoshan Iron & Steel Co Ltd	14027	20 China
Baotailong New Materials Co Ltd	2105	3 China
Barito Pacific Tbk PT	21598	7 Indonesia
Barratt Developments PLC	361	4 United Kingdom
Barwa Real Estate Co	1164	16 Qatar

BASF SE	394	39 Germany
Baxter International Inc	1151	125 United States
Bayer AG	396	34 Germany
BB&T Corp	999	62 United States
BBMG Corp	4733	4 China
BDO Unibank Inc	9262	32 Philippines
Becton Dickinson and Co	369	123 United States
Bed Bath & Beyond Inc	1112	25 United States
Befar Group Co Ltd	5557	8 China
Beibuwan Port Co Ltd	1268	2 China
Beiersdorf AG	208	29 Germany
BeiGene Ltd Depositary Receipt	1082	191 China
Beijing BDStar Navigation Co Ltd	581	3 China
Beijing Capital Co Ltd	13505	11 China
Beijing Capital Development Co Ltd	8814	17 China
Beijing Changjiu Logistics Corp	403	1 China
Beijing Dabeinong Technology Group Co Ltd	12681	13 China
Beijing Dahao Technology Corp Ltd	858	2 China
Beijing Enterprises Holdings Ltd	317	2 China
Beijing Enterprises Water Group Ltd	6457	5 China
Beijing Gehua CATV Network Co Ltd	3973	9 China
Beijing Haohua Energy Resource Co Ltd	1568	2 China
Beijing Homyear Capital Holdings Co Ltd	6465	4 China
Beijing HualuBaina Film & TV Co Ltd	2088	3 China
Beijing Jetsen Technology Co Ltd	7941	11 China
Beijing Jingneng Power Co Ltd	3428	2 China
Beijing Jingyuntong Technology Co Ltd	2607	2 China
Beijing Kunlun Tech Co Ltd	2961	9 China
Beijing Lanxum Technology Co Ltd	3590	7 China
Beijing New Building Materials PLC	709	3 China
Beijing North Star Co Ltd	3476	2 China
Beijing Orient Landscape & Environment Co Ltd	1108	2 China
Beijing Orient National Communication Science & Technology Co Ltd	3802	11 China
Beijing Oriental Yuhong Waterproof Technology Co Ltd	1119	5 China
Beijing Philisense Technology Co Ltd	5902	6 China
Beijing Sanyuan Foods Co Ltd	1566	2 China
Beijing Shiji Information Technology Co Ltd	1052	7 China
Beijing Shougang Co Ltd	3379	3 China
Beijing Shouhang Resources Saving Co Ltd	6525	5 China
Beijing Shunxin Agriculture Co Ltd	2335	28 China
Beijing Sinnet Technology Co Ltd	4748	18 China
Beijing SL Pharmaceutical Co Ltd	2196	12 China
Beijing SPC Environment Protection Tech Co Ltd	3438	6 China
Beijing Teamsun Technology Co Ltd	5666	10 China
Beijing Tiantan Biological Products Corp Ltd	2840	14 China
Beijing Tongrentang Co Ltd	664	4 China
Beijing Ultrapower Software Co Ltd	8064	9 China
Beijing Urban Construction Investment & Development Co Ltd	5084	10 China
Beijing Vantone Real Estate Co Ltd	2416	2 China
Beijing Water Business Doctor Co Ltd	3558	6 China
Beijing Watertek Information Technology Co Ltd	5393	9 China
Beijing Yanjing Brewery Co Ltd	8170	10 China
Beijing Zhong Ke San Huan High-Tech Co Ltd	4380	9 China
Beiqi Foton Motor Co Ltd	24000	11 China
Benesse Holdings Inc	99	3 Japan
Bengang Steel Plates Co Ltd	2830	2 China
Berkeley Group Holdings PLC	236	15 United Kingdom
Berkshire Hathaway Inc	1690	453 United States
Berli Jucker PCL	3346	7 Thailand
Berli Jucker PCL Depositary Receipt	1924	4 Thailand
Berry Genomics Co Ltd	340	3 China
Bestsun Energy Co Ltd	1022	3 China
Besttone Holdings Co Ltd	1636	5 China
Betsson AB	1645	17 Sweden
Better Life Commercial Chain Share Co Ltd	2438	5 China
Bezeq The Israeli Telecommunication Corp Ltd	2419	2 Israel
Bharat Petroleum Corp Ltd	214	2 India
Bharti Airtel Ltd	606	4 India
Bharti Infratel Ltd	60556	366 India
BHP Group Ltd Depositary Receipt	18	1 Australia
Bid Corp Ltd	1364	38 South Africa
Bidvest Group Ltd/The	1571	28 South Africa
Big Lots Inc	547	28 United States
BillerudKorsnas AB	321	6 Sweden
BIM Birlesik Magazalar AS	1131	20 Turkey
BIMB Holdings Bhd	872	1 Malaysia
Bio-Rad Laboratories Inc	83	34 United States
Biogen Inc	595	188 United States
BioMarin Pharmaceutical Inc	863	102 United States
BJ's Restaurants Inc	64	4 United States
Black Hills Corp	893	88 United States
BlackRock Inc	84	48 United States
Bloomin' Brands Inc	485	13 United States
Bluedon Information Security Technology Co Ltd	3020	4 China
Bluefocus Intelligent Communications Group Co Ltd	6730	7 China
Bluestar Adisseo Co	1135	3 China
BNK Financial Group Inc	720	6 South Korea

BNP Paribas SA	524	33 France
BOC Hong Kong Holdings Ltd	3061	17 Hong Kong
Boeing Co/The	364	186 United States
Boliden AB	95	4 Sweden
Boston Beer Co Inc/The	8	3 United States
Boston Properties Inc	616	110 United States
Boston Scientific Corp	2190	112 United States
Bouygues SA	131	6 France
Bovis Homes Group PLC	133	2 United Kingdom
BR Malls Participacoes SA	43912	189 Brazil
BR Properties SA	11233	34 Brazil
Bridgestone Corp	1171	60 Japan
Bright Dairy & Food Co Ltd	3552	7 China
Bright Real Estate Group Co Ltd	2912	3 China
Brighton-Best International Taiwan Inc	1548	2 Taiwan
BrightSphere Investment Group PLC	140	3 United Kingdom
Brilliance China Automotive Holdings Ltd	49253	65 China
Brinker International Inc	80	5 United States
Bristol-Myers Squibb Co	4975	317 United States
British American Tobacco Malaysia Bhd	510	6 Malaysia
Brixmor Property Group Inc	93	2 United States
Brookdale Senior Living Inc	443	4 United States
Bros Eastern Co Ltd	1699	2 China
Brother Industries Ltd	1246	31 Japan
Brown & Brown Inc	85	3 United States
Brown-Forman Corp	586	41 United States
BTG Hotels Group Co Ltd	2558	11 China
BTS Group Holdings PCL	13563	6 Thailand
BTS Group Holdings PCL Depositary Receipt	13365	6 Thailand
Bucher Industries AG	18	8 Switzerland
Bukit Asam Tbk PT	18655	7 Indonesia
Bumi Serpong Damai Tbk PT	46218	6 Indonesia
Bumrungrad Hospital PCL	834	6 Thailand
Bumrungrad Hospital PCL Depositary Receipt	523	4 Thailand
Bunge Ltd	470	33 United States
Burberry Group PLC	755	26 United Kingdom
Bursa Malaysia Bhd	1115	3 Malaysia
By-health Co Ltd	4530	21 China
BYD Co Ltd	873	9 China
CA Immobilien Anlagen AG	117	6 Austria
Cable One Inc	33	43 United States
Cadence Design Systems Inc	551	47 United States
Caitong Securities Co Ltd	1200	3 China
Calbee Inc	328	12 Japan
Camden Property Trust	32	4 United States
Camel Group Co Ltd	2766	7 China
Campbell Soup Co	254	13 United States
Cangzhou Dahua Co Ltd	538	2 China
Canon Inc	2803	109 Japan
Canon Marketing Japan Inc	57	2 Japan
Capcom Co Ltd	469	14 Japan
Capital One Financial Corp	556	61 United States
Capital Securities Corp	4434	2 Taiwan
CapitaLand Commercial Trust	3942	8 Singapore
CapitaLand Ltd	5219	19 Singapore
CapitaLand Mall Trust	7044	17 Singapore
Capitec Bank Holdings Ltd	329	41 South Africa
Capri Holdings Ltd	159	10 United States
Carabao Group PCL Depositary Receipt	660	2 Thailand
Cardinal Health Inc	572	37 United States
Carl Zeiss Meditec AG	60	7 Germany
Carlisle Cos Inc	24	4 United States
Carlsberg A/S	86	14 Denmark
CarMax Inc	157	15 United States
Carnival Corp	297	20 United States
Carpenter Technology Corp	166	10 United States
Carrefour SA	399	10 France
Casino Guichard Perrachon SA	271	16 France
Casio Computer Co Ltd	1104	19 Japan
Castellum AB	916	24 Sweden
Catcher Technology Co Ltd	4596	47 Taiwan
Caterpillar Inc	638	115 United States
Cathay Financial Holding Co Ltd	53133	104 Taiwan
Cathay Pacific Airways Ltd	906	2 Hong Kong
Cboe Global Markets Inc	71	9 United States
CBRE Group Inc	986	65 United States
CBS Corp	901	57 United States
CCC SA	141	11 Poland
CCOOP Group Co Ltd	11620	8 China
CCR SA	23190	93 Brazil
CCS Supply Chain Management Co Ltd	1018	2 China
CD Projekt SA	380	27 Poland
CDK Global Inc	236	19 United States
CDW Corp/DE	30	4 United States
CECEP Solar Energy Co Ltd	3930	3 China
CECEP Wind-Power Corp	11837	7 China
CECONOMY AG	965	7 Germany

Celanese Corp	511	67 United States
Celgene Corp	2227	281 United States
Cellnex Telecom SA	7315	287 Spain
Celltrion Healthcare Co Ltd	77	6 South Korea
Celltrion Inc	105	22 South Korea
Celltrion Pharm Inc	20	1 South Korea
Cemex SAB de CV	4270	3 Mexico
Centene Corp	776	55 United States
CenterPoint Energy Inc	1104	45 United States
Central China Securities Co Ltd	3028	4 China
Central Japan Railway Co	813	252 Japan
Central Pattana PCL	3752	12 Thailand
Central Pattana PCL Depositary Receipt	3592	11 Thailand
Central Plaza Hotel PCL Depositary Receipt	1370	3 Thailand
Century Aluminum Co	150	2 United States
CenturyLink Inc	1730	28 United States
Cerner Corp	1068	82 United States
CEZ AS	358	11 Czech Republic
CF Industries Holdings Inc	1157	63 United States
CGN Nuclear Technology Development Co Ltd	1104	2 China
CH Karnchang PCL Depositary Receipt	1087	1 Thailand
CH Robinson Worldwide Inc	32	4 United States
Chailease Holding Co Ltd	7382	40 Taiwan
Champion REIT	4934	6 Hong Kong
Chandra Asri Petrochemical Tbk PT	7839	4 Indonesia
Chang Hwa Commercial Bank Ltd	35597	28 Taiwan
Changjiang Publishing & Media Co Ltd	3119	5 China
Changying Xinzhi Technology Co Ltd	523	1 China
Changyuan Group Ltd	6809	9 China
Changzhou Xingyu Automotive Lighting Systems Co Ltd	349	4 China
Charles Schwab Corp/The	1294	74 United States
Charoen Pokphand Foods PCL	8599	9 Thailand
Charoen Pokphand Foods PCL Depositary Receipt	5369	6 Thailand
Charoen Pokphand Indonesia Tbk PT	36158	22 Indonesia
Charter Communications Inc	130	60 United States
Check Point Software Technologies Ltd	110	19 Israel
Cheil Worldwide Inc	107	3 South Korea
Chemed Corp	74	32 United States
Chemours Co/The	213	11 United States
Cheng Shin Rubber Industry Co Ltd	12086	22 Taiwan
Chengdu Fusen Noble-House Industrial Co Ltd	726	4 China
Chengdu Kanghong Pharmaceutical Group Co Ltd	379	4 China
Chengdu Xingrong Environment Co Ltd	9559	9 China
Chengtun Mining Group Co Ltd	2392	3 China
Chengzhi Co Ltd	1704	9 China
Chenzhou City Jingui Silver Industry Co Ltd	1255	2 China
Chiba Bank Ltd/The	1416	10 Japan
Chico's FAS Inc	4437	25 United States
Chicony Electronics Co Ltd	3557	11 Taiwan
China Aerospace Times Electronics Co Ltd	11182	16 China
China Agri-Industries Holdings Ltd	2790	1 China
China Airlines Ltd	8160	3 Taiwan
China Animal Husbandry Industry Co Ltd	1546	4 China
CHINA AOYUAN GROUP LTD	4649	7 China
China Avionics Systems Co Ltd	1467	5 China
China Baoan Group Co Ltd	11048	15 China
China Calxon Group Co Ltd	2358	4 China
China CAMC Engineering Co Ltd	2860	9 China
China CITIC Bank Corp Ltd	7830	10 China
China Coal Energy Co Ltd A	5259	5 China
China Coal Energy Co Ltd H	9950	6 China
China Coal Xinji Energy Co Ltd	3385	2 China
China Communications Construction Co Ltd	3191	8 China
China Conch Venture Holdings Ltd	614	3 China
China CYTS Tours Holding Co Ltd	2976	10 China
China Development Financial Holding Corp	91939	41 Taiwan
China Ding Yi Feng Holdings Ltd	262	1 Hong Kong
China Eastern Airlines Corp Ltd	4778	7 China
China Energy Engineering Corp Ltd	12014	2 China
China Enterprise Co Ltd	5430	7 China
China Everbright Bank Co Ltd A	20160	16 China
China Everbright Bank Co Ltd H	8767	6 China
China Everbright International Ltd	1282	2 China
China Everbright Ltd	1867	5 China
China Evergrande Group	4705	21 China
China Film Co Ltd	1523	5 China
China First Heavy Industries	23062	18 China
China Fortune Land Development Co Ltd	1724	11 China
China Galaxy Securities Co Ltd	2097	5 China
China Gas Holdings Ltd	151994	714 China
China Gezhouba Group Co Ltd	815	1 China
China Grand Automotive Services Co Ltd	3527	4 China
China Grand Pharmaceutical and Healthcare Holdings Ltd	4555	4 China
China Greatwall Technology Group Co Ltd	9055	19 China
China Hainan Rubber Industry Group Co Ltd	1487	2 China
China High Speed Railway Technology Co Ltd	11589	11 China
China Hongqiao Group Ltd	8949	9 China

China International Marine Containers Group Co Ltd A	4569	14 China
China International Marine Containers Group Co Ltd H	592	1 China
China International Travel Service Corp Ltd	17530	244 China
China Jinmao Holdings Group Ltd	1468	1 China
China Jushi Co Ltd	655	1 China
China Lesso Group Holdings Ltd	1696	1 China
China Life Insurance Co Ltd	3541	20 China
China Life Insurance Co Ltd/Taiwan	17106	19 Taiwan
China Longyuan Power Group Corp Ltd	2327	2 China
China Medical System Holdings Ltd	852	1 China
China Meheco Co Ltd	3488	11 China
China Merchants Bank Co Ltd	1847	12 China
China Merchants Energy Shipping Co Ltd	16655	16 China
China Merchants Port Group Co Ltd	405	1 China
China Merchants Port Holdings Co Ltd	1536	4 China
China Merchants Securities Co Ltd A	5627	20 China
China Merchants Securities Co Ltd H	2191	4 China
China Merchants Shekou Industrial Zone Holdings Co Ltd	4620	21 China
China Minmetals Rare Earth Co Ltd	1282	3 China
China Mobile Ltd	3582	49 China
China Molybdenum Co Ltd	6963	6 China
China National Accord Medicines Corp Ltd	1054	11 China
China National Chemical Engineering Co Ltd	2971	4 China
China National Medicines Corp Ltd	1948	10 China
China National Nuclear Power Co Ltd	10693	13 China
China National Software & Service Co Ltd	1525	17 China
China Nonferrous Metal Industry's Foreign Engineering and Construction Co Ltd	7086	7 China
China Northern Rare Earth Group High-Tech Co Ltd	1035	2 China
China Nuclear Engineering Corp Ltd	1735	3 China
China Oilfield Services Ltd	1905	4 China
China Oriental Group Co Ltd	4483	4 China
China Overseas Land & Investment Ltd	63063	320 China
China Pacific Insurance Group Co Ltd	2072	14 China
China Petrochemical Development Corp	7989	4 Taiwan
China Petroleum & Chemical Corp	23341	27 China
China Petroleum Engineering Corp	2205	2 China
China Power International Development Ltd	5979	2 China
China Publishing & Media Co Ltd	1588	2 China
China Railway Construction Corp Ltd	7260	17 China
China Railway Group Ltd	13208	19 China
China Railway Hi-tech Industry Co Ltd	7252	17 China
China Railway Signal & Communication Corp Ltd	1023	1 China
China Railway Tielong Container Logistics Co Ltd	4697	8 China
China Reinsurance Group Corp	16669	5 China
China Resources Beer Holdings Co Ltd	48036	270 China
China Resources Double Crane Pharmaceutical Co Ltd	3410	9 China
China Resources Gas Group Ltd	817	5 China
China Resources Power Holdings Co Ltd	2190	4 China
China Resources Sanjiu Medical & Pharmaceutical Co Ltd	2465	14 China
China Shenhua Energy Co Ltd	5084	20 China
China Shipbuilding Industry Co Ltd	12965	15 China
China Shipbuilding Industry Group Power Co Ltd	401	2 China
China South City Holdings Ltd	11012	2 China
China South Publishing & Media Group Co Ltd	4620	12 China
China Southern Airlines Co Ltd	3720	6 China
China Sports Industry Group Co Ltd	3470	8 China
China State Construction Engineering Corp Ltd	18754	23 China
China Steel Corp	84281	92 Taiwan
China Traditional Chinese Medicine Holdings Co Ltd	1349	1 Hong Kong
China TransInfo Technology Co Ltd	3772	14 China
China United Network Communications Ltd	18096	24 China
China Vanke Co Ltd	1732	11 China
China Water Affairs Group Ltd	3176	4 China
China West Construction Group Co Ltd	2944	9 China
China World Trade Center Co Ltd	614	2 China
China XD Electric Co Ltd	13157	11 China
China Yangtze Power Co Ltd	15378	52 China
China Zhonghua Geotechnical Engineering Group Co Ltd	1893	2 China
Chinese Universe Publishing and Media Group Co Ltd	4110	12 China
Chipbond Technology Corp	1794	6 Taiwan
Chipotle Mexican Grill Inc	2	2 United States
Chlitina Holding Ltd	101	1 Taiwan
Chocoladefabriken Lindt & Spruengli AG	0	28 Switzerland
Chocoladefabriken Lindt & Spruengli AG Non Voting	2	21 Switzerland
Chong Kun Dang Pharmaceutical Corp	11	1 South Korea
Chongqing Changan Automobile Co Ltd	1219	2 China
Chongqing Construction Engineering Group Corp Ltd	2983	3 China
Chongqing Department Store Co Ltd	1493	11 China
Chongqing Dima Industry Co Ltd	7416	6 China
Chongqing Fuling Zhacai Group Co Ltd	2719	17 China
Chongqing Gas Group Corp Ltd	1363	2 China
Chongqing Iron & Steel Co Ltd	45413	20 China
Chongqing Sokon Industry Group Co Ltd	1842	6 China
Chongqing Water Group Co Ltd	2300	3 China
Chorus Ltd	210	1 New Zealand
Chow Tai Seng Jewellery Co Ltd	338	2 China
Christian Dior SE	4	3 France

Chroma ATE Inc	749	5 Taiwan
Chubb Ltd	158	30 United States
Chubu Electric Power Co Inc	2086	44 Japan
Chugai Pharmaceutical Co Ltd	607	56 Japan
Chugoku Bank Ltd/The	362	5 Japan
Chunghwa Telecom Co Ltd	24269	115 Taiwan
Church & Dwight Co Inc	896	85 United States
Chuying Agro-pastora Group Co Ltd	8058	4 China
Cia de Minas Buenaventura SAA Depositary Receipt	50	1 Peru
Cia Energetica de Minas Gerais Preference	1127	5 Brazil
Cia Energetica de Sao Paulo Preference	810	7 Brazil
Ciena Corp	1140	57 United States
Cigna Corp	776	167 United States
CIMB Group Holdings Bhd	19486	33 Malaysia
CIMC Enric Holdings Ltd	1949	3 China
Cinda Real Estate Co Ltd	5424	6 China
Cinemark Holdings Inc	438	23 United States
Cintas Corp	27	7 United States
Cirrus Logic Inc	791	44 United States
CITIC Heavy Industries Co Ltd	12359	13 China
Citigroup Inc	2530	210 United States
Citizen Watch Co Ltd	1843	14 Japan
Citizens Financial Group Inc	612	27 United States
Citrix Systems Inc	262	35 United States
City Developments Ltd	1054	9 Singapore
Citycon OYJ	26700	365 Finland
CJ ENM Co Ltd	6	2 South Korea
CJ Logistics Corp	9	2 South Korea
CK Asset Holdings Ltd	6900	82 Hong Kong
CK Hutchison Holdings Ltd	656	9 Hong Kong
Clean Harbors Inc	119	11 United States
Clevo Co	820	1 Taiwan
Clicks Group Ltd	1060	18 South Africa
Clorox Co/The	388	83 United States
CLP Holdings Ltd	3010	47 Hong Kong
CME Group Inc	118	26 United States
CMS Energy Corp	1030	76 United States
CMST Development Co Ltd	6050	8 China
CNHTC Jinan Truck Co Ltd	877	3 China
CNOOC Ltd	2441	6 China
CNPC Capital Co Ltd	1180	3 China
Coca-Cola Bottlers Japan Holdings Inc	569	19 Japan
Coca-Cola Co/The	11231	703 United States
Coca-Cola European Partners PLC	275	19 Spain
Coca-Cola Femsa SAB de CV	148	1 Mexico
Coca-Cola Icecek AS	143	1 Turkey
Cofco Biochemical Co Ltd	5885	10 China
COFCO Tunhe Sugar Co Ltd	6712	12 China
Colgate-Palmolive Co	2740	251 United States
Colgate-Palmolive India Ltd	112	3 India
Colony Capital Inc	964	7 United States
Comcast Corp	7769	415 United States
Comerica Inc	192	19 United States
ComfortDelGro Corp Ltd	498	1 Singapore
Commercial Bank PQSC/The	1150	19 Qatar
Commercial International Bank Egypt SAE	495	3 Egypt
Commerzbank AG	215	2 Germany
Community Health Systems Inc	523	3 United States
Compal Electronics Inc	23698	20 Taiwan
Compass Minerals International Inc	194	14 United States
Compeq Manufacturing Co Ltd	1254	1 Taiwan
Conagra Brands Inc	384	14 United States
Concordia Financial Group Ltd	3962	20 Japan
Consolidated Edison Inc	994	113 United States
Constellation Brands Inc	337	79 United States
Contact Energy Ltd	527	3 New Zealand
Contemporary Amperex Technology Co Ltd	3512	59 China
Continental Resources Inc/OK	268	16 United States
Cooper Cos Inc/The	33	13 United States
Cooper Tire & Rubber Co	102	4 United States
Core Laboratories NV	17	2 United States
Corporate Office Properties Trust	50	2 United States
COSCO SHIPPING Development Co Ltd	27740	17 China
COSCO SHIPPING Energy Transportation Co Ltd	8934	11 China
COSCO SHIPPING Holdings Co Ltd A	6641	7 China
COSCO SHIPPING Holdings Co Ltd H	3842	2 China
COSCO SHIPPING Ports Ltd	2013	3 China
COSCO SHIPPING Specialized Carriers Co Ltd	4414	4 China
Cosmo Energy Holdings Co Ltd	86	2 Japan
Costco Wholesale Corp	1422	460 United States
Coty Inc	1817	28 United States
Cousins Properties Inc	303	4 United States
Covanta Holding Corp	1458	34 United States
Covestro AG	286	21 Germany
Covetrus Inc	88	4 United States
CP ALL PCL	11308	36 Thailand
CP ALL PCL Depositary Receipt	7557	24 Thailand

CPT Technology Group Co Ltd	7109	5	China
Cracker Barrel Old Country Store Inc	42	9	United States
Credicorp Ltd	19	6	Peru
Credit Agricole SA	598	10	France
Credit Saison Co Ltd	845	15	Japan
Credit Suisse Group AG	5438	85	Switzerland
CRH PLC	1081	45	Ireland
Crown Castle International Corp	1519	260	United States
CRRC Corp Ltd	17924	32	China
CSG Holding Co Ltd	5720	6	China
CSSC Offshore and Marine Engineering Group Co Ltd	1073	3	China
CSX Corp	747	75	United States
CTBC Financial Holding Co Ltd	113036	100	Taiwan
CTCI Corp	734	2	Taiwan
Ctrip.com International Ltd Depository Receipt	1587	93	China
Cub Elecparts Inc	169	2	Taiwan
CubeSmart	36	2	United States
Cullen/Frost Bankers Inc	25	3	United States
Cummins Inc	206	43	United States
CVS Health Corp	2883	208	United States
CyberAgent Inc	214	12	Japan
Cyfrowy Polsat SA	1137	10	Poland
Cypress Semiconductor Corp	162	3	United States
Da An Gene Co Ltd of Sun Yat-Sen University	2869	8	China
Dabur India Ltd	149	1	India
Daelim Industrial Co Ltd	32	4	South Korea
Daesang Corp	50	2	South Korea
Daewoo Engineering & Construction Co Ltd	239	1	South Korea
Daewoong Pharmaceutical Co Ltd	6	1	South Korea
Dai Nippon Printing Co Ltd	1156	37	Japan
Dai-ichi Life Holdings Inc	3429	64	Japan
Daicel Corp	1032	15	Japan
Daido Steel Co Ltd	134	7	Japan
Daifuku Co Ltd	210	15	Japan
Daiichi Sankyo Co Ltd	1728	106	Japan
Daikin Industries Ltd	941	147	Japan
Daito Trust Construction Co Ltd	246	46	Japan
Daiwa House Industry Co Ltd	2396	102	Japan
Daiwa House REIT Investment Corp	3	10	Japan
Daiwa Office Investment Corp	2	19	Japan
Daiwa Securities Group Inc	5277	34	Japan
Dalian Port PDA Co Ltd	22014	11	China
Dalian Zeus Entertainment Group Co Ltd	2889	3	China
DAMAC Properties Dubai Co PJSC	10906	5	United Arab Emirates
Dana Inc	163	4	United States
Danaher Corp	946	167	United States
Danone SA	685	71	France
Danske Bank A/S	156	4	Denmark
Daqin Railway Co Ltd	8766	15	China
Darling Ingredients Inc	48	1	United States
Dashang Co Ltd	930	6	China
DaShenLin Pharmaceutical Group Co Ltd	585	6	China
Dassault Aviation SA	9	18	France
Datang International Power Generation Co Ltd A	5925	4	China
Datang International Power Generation Co Ltd H	7777	3	China
Datong Coal Industry Co Ltd	5472	5	China
Davide Campari-Milano SpA	737	10	Italy
DaVita Inc	431	31	United States
Dazhong Transportation Group Co Ltd	6406	6	China
DB Insurance Co Ltd	113	9	South Korea
DBS Group Holdings Ltd	2684	67	Singapore
Dean Foods Co	730	3	United States
Deere & Co	78	17	United States
Dell Technologies Inc	24	2	United States
Delphi Technologies PLC	108	3	United States
Delta Air Lines Inc	699	48	United States
Delta Electronics Inc	6178	43	Taiwan
Delta Electronics Thailand PCL	1246	4	Thailand
Deluxe Corp	353	21	United States
Deluxe Family Co Ltd	8236	7	China
Demant A/S	19366	766	Denmark
Denbury Resources Inc	4519	12	United States
Denso Corp	741	39	Japan
DENTSPLY SIRONA Inc	211	14	United States
Dentsu Inc	594	34	Japan
Deppon Logistics Co Ltd	813	3	China
Designer Brands Inc	337	10	United States
Deutsche Boerse AG	166	29	Germany
Deutsche EuroShop AG	167	7	Germany
Deutsche Post AG	1740	76	Germany
Deutsche Wohnen SE	457	30	Germany
DexCom Inc	289	46	United States
Dezhan Healthcare Co Ltd	5170	15	China
DGB Financial Group Inc	397	4	South Korea
DHC Software Co Ltd	593	1	China
Dialog Group Bhd	15339	16	Malaysia
Dialog Semiconductor PLC	56	2	Germany

Diamond Offshore Drilling Inc	506	7 United States
Dian Diagnostics Group Co Ltd	1595	7 China
DIC Corp	296	12 Japan
Dick's Sporting Goods Inc	405	20 United States
DiGi.Com Bhd	9017	13 Malaysia
Digital China Group Co Ltd	741	2 China
Digital China Information Service Co Ltd	839	2 China
Digital Realty Trust Inc	3747	596 United States
Dillard's Inc	228	22 United States
Dino Polska SA	234	10 Poland
Disco Corp	85	16 Japan
Discover Financial Services	326	31 United States
Discovery Inc	603	20 United States
Discovery Ltd	1904	24 South Africa
DMCI Holdings Inc	21118	6 Philippines
DMG Mori AG	60	4 Germany
DMG Mori Co Ltd	214	4 Japan
DNB ASA	1646	41 Norway
DNO ASA	3299	10 Norway
Do-Fluoride Chemicals Co Ltd	2889	9 China
Dolby Laboratories Inc	293	25 United States
Dollar Tree Inc	8	1 United States
Dominion Energy Inc	2570	263 United States
Domino's Pizza Inc	20	7 United States
Domtar Corp	147	10 United States
Donaldson Co Inc	66	4 United States
Dongfang Electric Corp Ltd	6886	15 China
DongFeng Automobile Co Ltd	5679	5 China
Dongguan Development Holdings Co Ltd	1358	3 China
Dongjiang Environmental Co Ltd	2812	7 China
Dongkuk Steel Mill Co Ltd	174	2 South Korea
Dongxing Securities Co Ltd	2398	7 China
Dongyue Group Ltd	4499	4 China
Doosan Heavy Industries & Construction Co Ltd	213	2 South Korea
Doosan Infracore Co Ltd	142	1 South Korea
Double Medical Technology Inc	174	1 China
DoubleDragon Properties Corp	2286	1 Philippines
Douglas Emmett Inc	43	2 United States
DowDuPont Inc	5559	396 United States
DP World PLC	947	20 United Arab Emirates
Dr Peng Telecom & Media Group Co Ltd	7364	16 China
Dr Reddy's Laboratories Ltd	32	2 India
Dril-Quip Inc	61	4 United States
DTE Energy Co	638	106 United States
Dubai Investments PJSC	4426	2 United Arab Emirates
Dubai Islamic Bank PJSC	8423	15 United Arab Emirates
Duke Energy Corp	2490	299 United States
Duke Realty Corp	1463	60 United States
Dunkin' Brands Group Inc	178	18 United States
DWS Group GmbH & Co KGaA	68	3 Germany
Dycom Industries Inc	62	4 United States
E Ink Holdings Inc	3656	5 Taiwan
E*TRADE Financial Corp	473	29 United States
E-MART Inc	6	1 South Korea
E.ON SE	87575	1,302 Germany
E.Sun Financial Holding Co Ltd	67556	70 Taiwan
Eagle Materials Inc	9	1 United States
East Group Co Ltd	4786	5 China
East Japan Railway Co	1408	181 Japan
East West Bancorp Inc	96	6 United States
Eastern Gold Jade Co Ltd	3470	4 China
Eastern Pioneer Driving School Co Ltd	1275	4 China
Eastman Chemical Co	531	54 United States
Easysight Supply Chain Management Co Ltd	1200	3 China
Eaton Corp PLC	325	35 United States
Ebara Corp	281	11 Japan
eBay Inc	3136	156 United States
Eclat Textile Co Ltd	1291	23 Taiwan
Ecolab Inc	478	113 United States
Ecopetrol SA	1392	2 Colombia
Ecovacs Robotics Co Ltd	226	3 China
Edenred	38	2 France
Edgewell Personal Care Co	167	10 United States
Edison International	1136	94 United States
EDP Renovaveis SA	664	8 Portugal
Edwards Lifesciences Corp	435	111 United States
Egyptian Financial Group-Hermes Holding Co	958	1 Egypt
Eicher Motors Ltd	4	1 India
Eiffage SA	473	61 France
Eisai Co Ltd	970	73 Japan
Elan Microelectronics Corp	304	1 Taiwan
Elanco Animal Health Inc	982	42 United States
Electric Power Development Co Ltd	1071	35 Japan
Electricity Generating PCL	397	5 Thailand
Electricity Generating PCL Depository Receipt	580	7 Thailand
Electrocomponents PLC	1097	11 United Kingdom
Electronic Arts Inc	493	67 United States

Elekta AB	770	13 Sweden
Eli Lilly & Co	2212	383 United States
Elion Clean Energy Co Ltd	8863	13 China
Elis SA	27329	587 France
Elisa OYJ	354	21 Finland
Elite Material Co Ltd	1191	5 Taiwan
Emaar Development PJSC	2572	4 United Arab Emirates
Emaar Malls PJSC	10838	7 United Arab Emirates
Emaar Properties PJSC	20161	34 United Arab Emirates
Emirates Telecommunications Group Co PJSC	7990	49 United Arab Emirates
Emlak Konut Gayrimenkul Yatirim Ortakligi AS	3800	1 Turkey
Empresas CMPC SA	353	2 Chile
Empresas COPEC SA	110	2 Chile
Enagas SA	1177	46 Spain
Encompass Health Corp	347	27 United States
Endesa SA	142	5 Spain
Endo International PLC	502	5 United States
Enel Americas SA	8103	2 Chile
Enel Chile SA	7914	1 Chile
Energizer Holdings Inc	223	13 United States
Energy Absolute PCL	3421	7 Thailand
Energy Absolute PCL Depositary Receipt	3363	7 Thailand
Engie SA	822	16 France
Enka Insaat ve Sanayi AS	4266	5 Turkey
ENN Ecological Holdings Co Ltd	1606	4 China
ENN Energy Holdings Ltd	1378	18 Hong Kong
Ennoconn Corp	137	2 Taiwan
Enstar Group Ltd	3841	893 United States
Entergy Corp	246	31 United States
Entra ASA	141	3 Norway
EPAM Systems Inc	296	67 United States
Epiroc AB	290	4 Sweden
Epistar Corp	3003	3 Taiwan
EPR Properties	19	2 United States
EQT Corp	40	1 United States
Equatorial Energia SA	9446	259 Brazil
Equinix Inc	323	196 United States
Equity LifeStyle Properties Inc	8	1 United States
Equity Residential	1442	145 United States
Eramet	72	5 France
Eregli Demir ve Celik Fabrikalari TAS	8335	18 Turkey
Erste Group Bank AG	358	18 Austria
Esprit Holdings Ltd	5205	1 Hong Kong
Essent Group Ltd	1129	66 United States
Essex Property Trust Inc	247	95 United States
EssilorLuxottica SA	1475	215 France
Essity AB	1264	49 Sweden
Estee Lauder Cos Inc/The	723	160 United States
Eternal Asia Supply Chain Management Ltd	8356	9 China
Eternal Materials Co Ltd	1866	2 Taiwan
Eurobank Ergasias SA	3851	4 Greece
Euronet Worldwide Inc	9	2 United States
Eutelsat Communications SA	343	8 France
Eva Airways Corp	13779	9 Taiwan
Everbright Securities Co Ltd A	3486	9 China
Everbright Securities Co Ltd H	1263	2 China
Evercore Inc	21	3 United States
Evergrande Health Industry Group Ltd	3918	8 Hong Kong
Evergreen Marine Corp Taiwan Ltd	11811	6 Taiwan
Every Inc	864	67 United States
Everlight Electronics Co Ltd	1654	2 Taiwan
Eversource Energy	917	87 United States
EVN AG	72	1 Austria
Evonik Industries AG	632	23 Germany
Evraz PLC	2170	23 Russia
Exelixis Inc	641	20 United States
Exelon Corp	4136	277 United States
EXOR NV	22	2 Italy
Expedia Group Inc	673	107 United States
Expeditors International of Washington Inc	327	33 United States
Extended Stay America Inc	1485	36 United States
Extra Space Storage Inc	478	65 United States
Exxaro Resources Ltd	761	12 South Africa
Ezaki Glico Co Ltd	277	19 Japan
Ezdan Holding Group QSC	3230	12 Qatar
F@N Communications Inc	262	2 Japan
Fabege AB	188	4 Sweden
Fabrinet	256	18 United States
Facebook Inc	7256	1,616 United States
Fair Isaac Corp	72	26 United States
FamilyMart UNY Holdings Co Ltd	836	28 Japan
Fancl Corp	257	9 Japan
Fangda Carbon New Material Co Ltd	361	2 China
Fangda Special Steel Technology Co Ltd	5621	16 China
FANUC Corp	1097	250 Japan
Far East Smarter Energy Co Ltd	6133	7 China
Far Eastern Department Stores Ltd	3254	2 Taiwan

Far Eastern International Bank	4734	2 Taiwan
Far Eastern New Century Corp	26056	34 Taiwan
Far EasTone Telecommunications Co Ltd	9567	31 Taiwan
Fastighets AB Balder	1115	48 Sweden
FAW CAR Co Ltd	1374	2 China
Federal Realty Investment Trust	276	51 United States
FedEx Corp	3501	848 United States
Feng Hsin Steel Co Ltd	811	2 Taiwan
Feng TAY Enterprise Co Ltd	2452	23 Taiwan
Ferrari NV	3608	647 Italy
FGV Holdings Bhd	3166	1 Malaysia
Fiat Chrysler Automobiles NV	140	3 Italy
Fiberhome Telecommunication Technologies Co Ltd	417	3 China
Fibra Uno Administracion SA de CV	951	2 Mexico
FibroGen Inc	58	4 United States
Fidelity National Financial Inc	327	16 United States
Fielmann AG	85	8 Germany
Fifth Third Bancorp	1009	34 United States
Fila Korea Ltd	30	3 South Korea
Financial Street Holdings Co Ltd	1141	2 China
FinecoBank Banca Fineco SpA	176	3 Italy
Finisar Corp	118	4 United States
First Abu Dhabi Bank PJSC	16785	93 United Arab Emirates
First Capital Securities Co Ltd	2768	4 China
First Financial Holding Co Ltd	66265	61 Taiwan
First Horizon National Corp	91	2 United States
First Pacific Co Ltd	4464	2 Hong Kong
First Republic Bank/CA	2185	293 United States
FirstEnergy Corp	811	45 United States
FirstRand Ltd	16710	97 South Africa
Five Below Inc	85	14 United States
Flex Ltd	1493	20 Singapore
FLEXium Interconnect Inc	781	3 Taiwan
Flowers Foods Inc	211	6 United States
Flughafen Wien AG	22	1 Austria
Flughafen Zurich AG	80	19 Switzerland
FMC Corp	326	33 United States
FNB Corp/PA	292	4 United States
Focus Media Information Technology Co Ltd	6300	8 China
Fomento Economico Mexicano SAB de CV	549	7 Mexico
Foot Locker Inc	384	31 United States
Ford Otomotiv Sanayi AS	370	4 Turkey
Formosa Chemicals & Fibre Corp	24305	118 Taiwan
Formosa Petrochemical Corp	10015	50 Taiwan
Formosa Plastics Corp	27656	131 Taiwan
Formosa Taffeta Co Ltd	5808	9 Taiwan
Fortinet Inc	254	29 United States
Fortress REIT Ltd A	3244	6 South Africa
Fortress REIT Ltd B	2314	2 South Africa
Fortum OYJ	689	19 Finland
Fortune Ng Fung Food Hebei Co Ltd	1070	2 China
Foschini Group Ltd/The	1016	15 South Africa
Foshan Electrical and Lighting Co Ltd	3322	4 China
Foshan Haitian Flavouring & Food Co Ltd	1360	23 China
Fossil Group Inc	1278	23 United States
Founder Securities Co Ltd	7315	11 China
Fox Corp A	118	6 United States
Fox Corp B	186	9 United States
Foxconn Technology Co Ltd	6046	16 Taiwan
Franklin Resources Inc	290	13 United States
Fraser & Neave Holdings Bhd	471	5 Malaysia
Freeport-McMoRan Inc	3145	54 United States
Frontier Communications Corp	2558	7 United States
Frontier Real Estate Investment Corp	2	11 Japan
Fubon Financial Holding Co Ltd	47136	94 Taiwan
Fuji Electric Co Ltd	716	27 Japan
Fuji Media Holdings Inc	205	4 Japan
Fujian Expressway Development Co Ltd	3586	2 China
Fujian Funeng Co Ltd	1217	2 China
Fujian Longking Co Ltd	3847	10 China
Fujian Star-net Communication Co Ltd	762	4 China
Fujian Sunner Development Co Ltd	2721	13 China
Fujian Torch Electron Technology Co Ltd	276	1 China
FUJIFILM Holdings Corp	1380	84 Japan
Fujikura Ltd	774	4 Japan
Fujitsu Ltd	145	14 Japan
Fukuoka Financial Group Inc	717	21 Japan
Furukawa Electric Co Ltd	408	14 Japan
Fuyao Glass Industry Group Co Ltd	557	2 China
G-bits Network Technology Xiamen Co Ltd	226	9 China
GAIL India Ltd	223	1 India
GAM Holding AG	1948	8 Switzerland
GameStop Corp	1643	22 United States
Gaming and Leisure Properties Inc	288	15 United States
Gamuda Bhd	7218	7 Malaysia
Gansu Gangtai Holding Group Co Ltd	2296	2 China
Gansu Jingyuan Coal Industry and Electricity Power Co Ltd	5878	4 China

Gansu Jiu Steel Group Hongxing Iron & Steel Co Ltd	20475	10 China
Garmin Ltd	294	34 United States
GasLog Ltd	66	2 Greece
Gazit-Globe Ltd	197	2 Israel
Gazprom Neft PJSC Depository Receipt	78	3 Russia
Gazprom PJSC	3005	9 Russia
Gazprom PJSC Depository Receipt	10980	66 Russia
GCI Science & Technology Co Ltd	1762	5 China
GCL System Integration Technology Co Ltd	10409	11 China
GD Power Development Co Ltd	5970	3 China
Geberit AG	173	94 Switzerland
Geely Automobile Holdings Ltd	19906	51 China
GEK Terna Holding Real Estate Construction SA	316	2 Greece
GEM Co Ltd	14940	15 China
Gemdale Corp	887	2 China
Generac Holdings Inc	506	35 United States
General Dynamics Corp	63	14 United States
General Electric Co	3021	40 United States
General Interface Solution Holding Ltd	226	1 Taiwan
General Mills Inc	1677	116 United States
Genesco Inc	562	34 United States
Genesee & Wyoming Inc	353	41 United States
Genious Technology Co Ltd	968	2 China
Genius Electronic Optical Co Ltd	264	4 Taiwan
Gentex Corp	758	21 United States
Genting Bhd	8760	19 Malaysia
Genting Malaysia Bhd	10696	11 Malaysia
Genting Plantations Bhd	933	3 Malaysia
Geo-Jade Petroleum Corp	6981	5 China
Georg Fischer AG	4	4 Switzerland
Getlink SE	263	5 France
GF Securities Co Ltd	2448	8 China
Giant Manufacturing Co Ltd	1738	17 Taiwan
Giant Network Group Co Ltd	973	4 China
Gigadevice Semiconductor Beijing Inc	320	6 China
Gilead Sciences Inc	3534	307 United States
Givaudan SA	17	58 Switzerland
Gjensidige Forsikring ASA	330	8 Norway
Glanbia PLC	448	12 Ireland
Glarun Technology Co Ltd	813	3 China
Global Power Synergy PCL	521	1 Thailand
Global Power Synergy PCL Depository Receipt	1015	2 Thailand
Global Top E-Commerce Co Ltd	3930	9 China
Global Yatirim Holding AS	2731	2 Turkey
Globalwafers Co Ltd	1143	15 Taiwan
Globe Telecom Inc	155	8 Philippines
Globus Medical Inc	245	16 United States
Glodon Co Ltd	3474	21 China
Glory Ltd	129	4 Japan
Glow Energy PCL	1342	5 Thailand
Glow Energy PCL Depository Receipt	885	3 Thailand
GLP J-Reit	11	16 Japan
GMO Payment Gateway Inc	17	2 Japan
Godrej Consumer Products Ltd	101	1 India
GoerTek Inc	883	2 China
Golar LNG Ltd	65	2 Norway
Gold Fields Ltd	4859	24 South Africa
Goldman Sachs Group Inc/The	320	82 United States
Goodman Property Trust	1347	2 New Zealand
Goodyear Tire & Rubber Co/The	1063	26 United States
GoPro Inc	1836	16 United States
Gourmet Master Co Ltd	207	2 Taiwan
Graco Inc	173	11 United States
Grand Pacific Petrochemical	1125	1 Taiwan
Grandblue Environment Co Ltd	1001	3 China
Grandjoy Holdings Group Co Ltd	7118	9 China
Grape King Bio Ltd	149	1 Taiwan
Grasim Industries Ltd	93	2 India
Great Eastern Holdings Ltd	54	1 Singapore
Great Wall Enterprise Co Ltd	930	1 Taiwan
Great Wall Motor Co Ltd	1891	3 China
Greatown Holdings Ltd	9311	13 China
Gree Real Estate Co Ltd	2692	3 China
Greenland Holdings Group Co Ltd	10594	16 China
GRG Banking Equipment Co Ltd	7077	10 China
Grifols SA Preference	128	3 Spain
Groupe Bruxelles Lambert SA	180	23 Belgium
Growthpoint Properties Ltd	13945	32 South Africa
Grupa Lotos SA	452	13 Poland
Grupo Aeroportuario del Pacifico SAB de CV	101	1 Mexico
Grupo Aeroportuario del Sureste SAB de CV	59	1 Mexico
Grupo Bimbo SAB de CV	464	1 Mexico
Grupo de Inversiones Suramericana SA	66	1 Colombia
Grupo Financiero Banorte SAB de CV	732	5 Mexico
Grupo Financiero Inbursa SAB de CV	656	1 Mexico
Grupo Mexico SAB de CV	988	4 Mexico
Grupo Televisa SAB	690	2 Mexico

GS Engineering & Construction Corp	130	7 South Korea
GS Yuasa Corp	356	9 Japan
GT Capital Holdings Inc	414	10 Philippines
Guanfu Holdings Co Ltd	3442	1 China
Guangdong Advertising Group Co Ltd	8961	7 China
Guangdong Baolihua New Energy Stock Co Ltd	8947	15 China
Guangdong Chj Industry Co Ltd	2327	2 China
Guangdong Dongfang Precision Science & Technology Co Ltd	1608	1 China
Guangdong Electric Power Development Co Ltd	3722	4 China
Guangdong Ellington Electronics Technology Co Ltd	2016	5 China
Guangdong Fenghua Advanced Technology Holding Co Ltd	3681	11 China
Guangdong Golden Dragon Development Inc	2303	7 China
Guangdong Haid Group Co Ltd	1453	8 China
Guangdong HEC Technology Holding Co Ltd	9208	17 China
Guangdong Investment Ltd	752	2 China
Guangdong LY Intelligent Manufacturing Co Ltd	3414	4 China
Guangdong Provincial Expressway Development Co Ltd	1594	3 China
Guangdong Tapai Group Co Ltd	2705	7 China
Guangdong Zhongsheng Pharmaceutical Co Ltd	3736	8 China
Guanghui Energy Co Ltd	21645	19 China
Guangxi Guiguan Electric Power Co Ltd	3247	4 China
Guangxi Liugong Machinery Co Ltd	5263	8 China
Guangxi Liuzhou Pharmaceutical Co Ltd	338	2 China
Guangxi Wuzhou Zhongheng Group Co Ltd	1866	1 China
GuangYuYuan Chinese Herbal Medicine Co Ltd	461	3 China
Guangzhou Automobile Group Co Ltd	1503	3 China
Guangzhou Baiyun International Airport Co Ltd	702	2 China
Guangzhou Baiyunshan Pharmaceutical Holdings Co Ltd A	878	7 China
Guangzhou Baiyunshan Pharmaceutical Holdings Co Ltd H	223	1 China
Guangzhou Development Group Inc	6069	8 China
Guangzhou Haige Communications Group Inc Co	8310	16 China
Guangzhou Kingmed Diagnostics Group Co Ltd	299	2 China
Guangzhou Pearl River Piano Group Co Ltd	947	1 China
Guangzhou Port Co Ltd	2180	2 China
Guangzhou Tinci Materials Technology Co Ltd	1102	7 China
Guangzhou Yuetai Group Co Ltd	5215	3 China
Guangzhou Yuexiu Financial Holdings Group Co Ltd	2064	4 China
Guangzhou Zhujiang Brewery Co Ltd	1350	2 China
Gudang Garam Tbk PT	2438	19 Indonesia
Guess? Inc	216	6 United States
Guilin Sanjin Pharmaceutical Co Ltd	591	2 China
Guizhou Bailing Group Pharmaceutical Co Ltd	3174	7 China
Guizhou Broadcasting & TV Information Network Co Ltd	1608	3 China
Guizhou Panjiang Refined Coal Co Ltd	1309	1 China
Guizhou Space Appliance Co Ltd	561	3 China
Guizhou Xinbang Pharmaceutical Co Ltd	5411	6 China
Guizhou Yibai Pharmaceutical Co Ltd	3256	4 China
Gulf Energy Development PCL	1436	6 Thailand
GungHo Online Entertainment Inc	3594	17 Japan
Gunma Bank Ltd/The	2363	12 Japan
Guocheng Mining Co Ltd	1288	3 China
Guomai Technologies Inc	2589	5 China
Guosen Securities Co Ltd	5981	16 China
Guosheng Financial Holding Inc	4851	14 China
Guotai Junan Securities Co Ltd A	6691	27 China
Guotai Junan Securities Co Ltd H	1940	6 China
Guoxuan High-Tech Co Ltd	4363	15 China
Guoyuan Securities Co Ltd	2653	6 China
GW Pharmaceuticals PLC Depository Receipt	1175	265 United Kingdom
H Lundbeck A/S	60	3 Denmark
H2O Retailing Corp	168	3 Japan
Hachijuni Bank Ltd/The	1703	9 Japan
Haci Omer Sabanci Holding AS	5913	11 Turkey
Hainan Airlines Holding Co Ltd	3807	2 China
Hainan Mining Co Ltd	2390	3 China
Haining China Leather Market Co Ltd	3297	4 China
Haisco Pharmaceutical Group Co Ltd	547	2 China
Hakuhodo DY Holdings Inc	242	5 Japan
Hamamatsu Photonics KK	241	12 Japan
Han's Laser Technology Industry Group Co Ltd	12563	105 China
Hana Financial Group Inc	700	30 South Korea
Hancock Whitney Corp	43	2 United States
Handsome Co Ltd	45	2 South Korea
Hang Lung Group Ltd	1172	5 Hong Kong
Hang Lung Properties Ltd	6378	21 Hong Kong
Hang Seng Bank Ltd	1187	39 Hong Kong
Hang Zhou Great Star Industrial Co Ltd	3492	8 China
Hangxiao Steel Structure Co Ltd	2335	2 China
Hangzhou Binjiang Real Estate Group Co Ltd	10079	9 China
Hangzhou First Applied Material Co Ltd	737	5 China
Hangzhou Hangyang Co Ltd	1008	2 China
Hangzhou Hikvision Digital Technology Co Ltd	6578	46 China
Hangzhou Iron & Steel Co	3803	4 China
Hangzhou Lianluo Interactive Information Technology Co Ltd	6714	6 China
Hangzhou Robam Appliances Co Ltd	320	2 China
Hangzhou Shunwang Technology Co Ltd	2498	8 China
Hangzhou Silan Microelectronics Co Ltd	4046	13 China

Hangzhou Tigermed Consulting Co Ltd	1800	24 China
Hanjaya Mandala Sampoerna Tbk PT	46521	16 Indonesia
Hankyu Hanshin Holdings Inc	814	41 Japan
Hanmi Pharm Co Ltd	5	3 South Korea
Hanmi Science Co Ltd	28	3 South Korea
HannStar Display Corp	18544	5 Taiwan
HAP Seng Consolidated Bhd	2240	7 Malaysia
Harbin Gloria Pharmaceuticals Co Ltd	4665	5 China
Harbin Hatou Investment Co Ltd	1691	3 China
Harbin Pharmaceutical Group Co Ltd	8282	10 China
Harel Insurance Investments & Financial Services Ltd	124	1 Israel
Harley-Davidson Inc	376	18 United States
Hartalega Holdings Bhd	5576	8 Malaysia
Hartford Financial Services Group Inc/The	159	11 United States
Havells India Ltd	71	1 India
Hazama Ando Corp	578	5 Japan
HCA Healthcare Inc	856	149 United States
HCL Technologies Ltd	153	3 India
HCP Inc	1918	80 United States
HDC Holdings Co Ltd	66	1 South Korea
Healthcare Trust of America Inc	133	5 United States
Hebei Chengde Lolo Co	3583	6 China
Hebei Hengshui Laobaigan Liquor Co Ltd	870	3 China
Hefei Meiya Optoelectronic Technology Inc	1904	11 China
Heilongjiang Agriculture Co Ltd	5061	10 China
HeiLongJiang ZBD Pharmaceutical Co Ltd	555	2 China
Heineken Holding NV	117	16 Netherlands
Heineken Malaysia Bhd	400	3 Malaysia
Heiwa Corp	359	10 Japan
Hella GmbH & Co KGaA	237	14 Germany
Hellenic Petroleum SA	127	2 Greece
Hellenic Telecommunications Organization SA	842	15 Greece
Henan Dayou Energy Co Ltd	1354	1 China
Henan Pinggao Electric Co Ltd	4185	7 China
Henan Senyuan Electric Co Ltd	3498	10 China
Henan Shuanghui Investment & Development Co Ltd	2200	11 China
Henan Zhongyuan Expressway Co Ltd	2937	4 China
Henderson Land Development Co Ltd	2806	24 Hong Kong
Hengdian Entertainment Co Ltd	237	1 China
Hengdian Group DMEGC Magnetics Co Ltd	4224	6 China
Hengli Petrochemical Co Ltd	3083	11 China
Hengyi Petrochemical Co Ltd	712	2 China
Henkel AG & Co KGaA	104	13 Germany
Henkel AG & Co KGaA Preference	228	31 Germany
Hennes & Mauritz AB	568	13 Sweden
Herbalife Nutrition Ltd	770	55 United States
Hershey Co/The	306	47 United States
Hertz Global Holdings Inc	143	3 United States
Hesteel Co Ltd	5426	4 China
Hewlett Packard Enterprise Co	380	8 United States
Hexcel Corp	44	4 United States
Hexing Electrical Co Ltd	1018	3 China
Hexpol AB	494	6 Sweden
Highwealth Construction Corp	6941	15 Taiwan
Highwoods Properties Inc	108	7 United States
Hikari Tsushin Inc	87	22 Japan
Hindalco Industries Ltd	329	1 India
Hindustan Unilever Ltd	183	6 India
Hino Motors Ltd	960	11 Japan
Hirose Electric Co Ltd	54	8 Japan
Hiroshima Bank Ltd/The	1643	11 Japan
Hisamitsu Pharmaceutical Co Inc	208	13 Japan
Hisense Electric Co Ltd	4221	9 China
Hisense Home Appliances Group Co Ltd	1180	3 China
Hitachi Capital Corp	233	7 Japan
Hitachi Chemical Co Ltd	523	15 Japan
Hitachi Construction Machinery Co Ltd	121	4 Japan
Hitachi High-Technologies Corp	73	4 Japan
Hitachi Ltd	2423	105 Japan
Hitachi Zosen Corp	1746	7 Japan
Hiwin Technologies Corp	1403	16 Taiwan
HK Electric Investments & HK Electric Investments Ltd	3641	5 Hong Kong
HKBN Ltd	182405	388 Hong Kong
HKT Trust & HKT Ltd	5923	13 Hong Kong
HLA Corp Ltd	2472	5 China
HNA Infrastructure Investment Group Co Ltd	1872	2 China
HNA Technology Co Ltd	9259	8 China
HOCHTIEF AG	7	1 Germany
Hokkaido Electric Power Co Inc	954	7 Japan
Hokuhoku Financial Group Inc	834	12 Japan
Hokuriku Electric Power Co	595	6 Japan
Holtech Technology Co Ltd	4264	6 China
Holmen AB	90	3 Sweden
Home Product Center PCL	10993	7 Thailand
Home Product Center PCL Depositary Receipt	8072	5 Thailand
Hon Hai Precision Industry Co Ltd	86021	274 Taiwan
Honda Motor Co Ltd	3798	137 Japan

Honeywell International Inc	585	124 United States
Hong Kong & China Gas Co Ltd	6853	22 Hong Kong
Hong Kong Exchanges & Clearing Ltd	1587	74 Hong Kong
Hong Leong Bank Bhd	2332	15 Malaysia
Hong Leong Financial Group Bhd	994	6 Malaysia
Hongda Xingye Co Ltd	6653	7 China
Hongfa Technology Co Ltd	2744	15 China
Hongkong Land Holdings Ltd	3309	31 Hong Kong
Hopewell Holdings Ltd	255	2 Hong Kong
Horizon Pharma Plc	697	25 United States
Hormel Foods Corp	314	19 United States
Hoshine Silicon Industry Co Ltd	224	3 China
Hoshizaki Corp	209	17 Japan
Host Hotels & Resorts Inc	2039	51 United States
Hota Industrial Manufacturing Co Ltd	661	3 Taiwan
Hotai Motor Co Ltd	1636	27 Taiwan
House Foods Group Inc	501	27 Japan
Housing Development Finance Corp Ltd	461	17 India
Howden Joinery Group PLC	1430	12 United Kingdom
Hoya Corp	1340	118 Japan
HP Inc	1055	27 United States
Hua Nan Financial Holdings Co Ltd	47142	40 Taiwan
Huaan Securities Co Ltd	2145	3 China
Huadian Fuxin Energy Corp Ltd	6220	2 China
Huadian Power International Corp Ltd	7878	7 China
Huadong Medicine Co Ltd	670	4 China
Huafa Industrial Co Ltd Zhuhai	8709	16 China
Huagong Tech Co Ltd	3101	10 China
Hualan Biological Engineering Inc	233	2 China
Huaneng Lancang River Hydropower Inc	6185	5 China
Huaneng Power International Inc	6273	8 China
Huapont Life Sciences Co Ltd	8272	10 China
Huatai Securities Co Ltd	5624	25 China
Huaxi Securities Co Ltd	589	1 China
Huaxia Bank Co Ltd	6046	10 China
Huaxin Cement Co Ltd	3172	14 China
Huayi Brothers Media Corp	10056	11 China
Huayu Automotive Systems Co Ltd	1342	5 China
Huayuan Property Co Ltd	4824	3 China
Hubei Biocause Pharmaceutical Co Ltd	3715	5 China
Hubei Energy Group Co Ltd	6521	5 China
Hubei Fuxing Science And Technology Co Ltd	3958	6 China
Hubei Jumpcan Pharmaceutical Co Ltd	1053	7 China
Hubei Kaile Science & Technology Co Ltd	2572	12 China
Hubei Xingfa Chemicals Group Co Ltd	2243	5 China
Hubei Xinyangfeng Fertilizer Co Ltd	1705	4 China
Hudson Pacific Properties Inc	157	7 United States
Hufvudstaden AB	253	6 Sweden
HUGO BOSS AG	47	4 Germany
Huishang Bank Corp Ltd	5335	3 China
Huizhou Desay Sv Automotive Co Ltd	835	5 China
Hulic Co Ltd	1528	20 Japan
Humana Inc	299	106 United States
Humanwell Healthcare Group Co Ltd	4871	11 China
Hunan Aihua Group Co Ltd	476	2 China
Hunan Corun New Energy Co Ltd	5288	6 China
Hunan Dakang International Food & Agriculture Co Ltd	16564	7 China
Hunan Friendship & Apollo Commercial Co Ltd	5097	4 China
Hunan Gold Corp Ltd	4897	8 China
Hunan Tianrun Digital Entertainment & Cultural Media Co Ltd	1835	1 China
Hunan Valin Steel Co Ltd	10311	16 China
Huntington Bancshares Inc/OH	1484	25 United States
Huolinhe Opencut Coal Industry Corp Ltd of Inner Mongolia	4619	8 China
Hyatt Hotels Corp	24	2 United States
Hybio Pharmaceutical Co Ltd	2386	5 China
Hyprop Investments Ltd	775	5 South Africa
Hysan Development Co Ltd	1550	11 Hong Kong
Hytera Communications Corp Ltd	4722	10 China
Hyundai Department Store Co Ltd	21	3 South Korea
Hyundai Elevator Co Ltd	25	3 South Korea
Hyundai Glovis Co Ltd	8	1 South Korea
Hyundai Heavy Industries Co Ltd	8	1 South Korea
Hyundai Heavy Industries Holdings Co Ltd	6	2 South Korea
Hyundai Marine & Fire Insurance Co Ltd	131	6 South Korea
Hyundai Steel Co	306	16 South Korea
HyUnion Holding Co Ltd	1635	4 China
IAC/InterActiveCorp	4027	1,130 United States
Iberdrola SA	1174	14 Spain
IBERIABANK Corp	56	5 United States
Ibiden Co Ltd	60	1 Japan
ICA Gruppen AB	59	3 Sweden
ICICI Bank Ltd	672	5 India
ICON PLC	88	16 Ireland
ICU Medical Inc	32	10 United States
IDEX Corp	94	19 United States
IDEXX Laboratories Inc	160	48 United States
IG Group Holdings PLC	1174	11 United Kingdom

IGB Real Estate Investment Trust	3476	2 Malaysia
IHH Healthcare Bhd	9581	18 Malaysia
IHI Corp	489	16 Japan
IHS Markit Ltd	21982	1,597 United States
Iida Group Holdings Co Ltd	152	4 Japan
IJM Corp Bhd	8323	6 Malaysia
IKD Co Ltd	589	1 China
Illinois Tool Works Inc	111	21 United States
Illumina Inc	1273	528 United States
Imerys SA	109	7 France
IMMOFINANZ AG	224	7 Austria
Imperial Logistics Ltd	454	3 South Africa
Incyte Corp	1051	121 United States
Indah Kiat Pulp & Paper Corp Tbk PT	11859	10 Indonesia
Indiabulls Housing Finance Ltd	78	1 India
Indian Oil Corp Ltd	531	2 India
Indocement Tunggal Prakarsa Tbk PT	8706	18 Indonesia
Indofood CBP Sukses Makmur Tbk PT	11708	10 Indonesia
Indofood Sukses Makmur Tbk PT	22761	14 Indonesia
Indorama Ventures PCL	4693	10 Thailand
Indorama Ventures PCL Depositary Receipt	3559	7 Thailand
Industrial & Commercial Bank of China Ltd	55293	61 China
Industrial Bank Co Ltd	540	2 China
Industrial Bank of Korea	923	15 South Korea
Industrial Securities Co Ltd	4736	7 China
Industries Qatar QSC	1002	46 Qatar
Industrivarden AB A	270	8 Sweden
Industrivarden AB C	584	16 Sweden
Infosys Ltd	986	14 India
ING Bank Slaski SA	99	7 Poland
ING Groep NV	2046	33 Netherlands
Ingersoll-Rand PLC	276	40 United States
Ingredion Inc	497	63 United States
Inmarsat PLC	222	2 United Kingdom
Inner Mongolia BaoTou Steel Union Co Ltd	39828	14 China
Inner Mongolia Eerduosi Resources Co Ltd	800	1 China
Inner Mongolia First Machinery Group Co Ltd	5507	13 China
Inner Mongolia Junzheng Energy & Chemical Industry Group Co Ltd	8204	6 China
Inner Mongolia MengDian HuaNeng Thermal Power Corp Ltd	16972	10 China
Inner Mongolia Xingye Mining Co Ltd	4305	5 China
Inner Mongolia Yuan Xing Energy Co Ltd	5184	3 China
Innodisk Corp	270	1 Taiwan
Innolux Corp	67540	29 Taiwan
Innovent Biologics Inc	14296	70 China
Inpex Corp	927	12 Japan
Insigma Technology Co Ltd	1380	3 China
Intercept Pharmaceuticals Inc	30	5 United States
Intercontinental Exchange Inc	607	62 United States
InterContinental Hotels Group PLC	132	11 United Kingdom
InterDigital Inc	47	4 United States
International Business Machines Corp	100	19 United States
International Container Terminal Services Inc	4529	15 Philippines
International CSRC Investment Holdings Co	3083	6 Taiwan
International Game Technology PLC	101	2 Italy
International Games System Co Ltd	537	5 Taiwan
International Paper Co	1111	69 United States
Interpump Group SpA	34	2 Italy
Intesa Sanpaolo SpA	1302	4 Italy
Intouch Holdings PCL	1116	3 Thailand
Intouch Holdings PCL Depositary Receipt	8587	21 Thailand
Intrum AB	202	8 Sweden
Intuitive Surgical Inc	213	162 United States
Inventec Corp	19254	20 Taiwan
Invesco Ltd	587	15 United States
Investec Ltd	869	7 South Africa
Investor AB	511	31 Sweden
Invitation Homes Inc	916	30 United States
IOI Corp Bhd	8282	12 Malaysia
IOI Properties Group Bhd	7416	3 Malaysia
Ionis Pharmaceuticals Inc	282	31 United States
Ipsen SA	85	16 France
iQIYI Inc Depositary Receipt	935	30 China
IQVIA Holdings Inc	5978	1,149 United States
Iren SpA	2698	9 Italy
Iron Mountain Inc	777	37 United States
Ironwood Pharmaceuticals Inc	122	2 United States
IRPC PCL	23397	6 Thailand
IRPC PCL Depositary Receipt	28413	7 Thailand
IS Dongseo Co Ltd	35	1 South Korea
Isetan Mitsukoshi Holdings Ltd	794	11 Japan
iShares Core EUR Corp Bond UCITS ETF	1670	329 Ireland
iShares iBoxx \$ Investment Grade Corporate Bond ETF	1678	267 United States
iShares iBoxx High Yield Corporate Bond ETF	200	23 United States
Israel Chemicals Ltd	796	6 Israel
Israel Corp Ltd/The	10	3 Israel
Israel Discount Bank Ltd	905	4 Israel
Isuzu Motors Ltd	718	13 Japan

Italgas SpA	4783	39 Italy
ITC Ltd	967	6 India
Ito En Ltd	136	9 Japan
ITOCHU Corp	4993	121 Japan
Itoham Yonekyu Holdings Inc	515	4 Japan
ITT Inc	131	10 United States
Iyo Bank Ltd/The	1227	9 Japan
Izumi Co Ltd	104	6 Japan
J Front Retailing Co Ltd	511	8 Japan
J Sainsbury PLC	2502	10 United Kingdom
Jafco Co Ltd	60	3 Japan
Jangho Group Co Ltd	754	1 China
Japan Airlines Co Ltd	353	17 Japan
Japan Airport Terminal Co Ltd	38	2 Japan
Japan Aviation Electronics Industry Ltd	247	5 Japan
Japan Exchange Group Inc	1067	25 Japan
Japan Hotel REIT Investment Corp	15	16 Japan
Japan Petroleum Exploration Co Ltd	239	7 Japan
Japan Post Bank Co Ltd	1164	17 Japan
Japan Post Holdings Co Ltd	3931	61 Japan
Japan Post Insurance Co Ltd	282	8 Japan
Japan Prime Realty Investment Corp	3	17 Japan
Japan Real Estate Investment Corp	5	39 Japan
Japan Retail Fund Investment Corp	8	22 Japan
Japan Steel Works Ltd/The	121	3 Japan
Japan Tobacco Inc	3572	118 Japan
Jardine Matheson Holdings Ltd	25	2 Hong Kong
Jardine Strategic Holdings Ltd	49	2 Hong Kong
Jasa Marga Persero Tbk PT	11302	6 Indonesia
Jason Furniture Hangzhou Co Ltd	877	10 China
Jastrzebska Spolka Weglowa SA	283	6 Poland
Jazz Pharmaceuticals PLC	180	34 United States
JD Sports Fashion PLC	431	4 United Kingdom
JD.com Inc Depositary Receipt	3841	155 China
Jefferies Financial Group Inc	624	16 United States
JFE Holdings Inc	2676	61 Japan
JG Summit Holdings Inc	14260	23 Philippines
Jiangling Motors Corp Ltd	611	3 China
Jiangsu Broadcasting Cable Information Network Corp Ltd	12312	13 China
Jiangsu Changjiang Electronics Technology Co Ltd	4943	14 China
Jiangsu Changshu Rural Commercial Bank Co Ltd	7565	11 China
Jiangsu Expressway Co Ltd A	1994	4 China
Jiangsu Expressway Co Ltd H	1134	2 China
Jiangsu Financial Leasing Co Ltd	5334	8 China
Jiangsu Guotai International Group Guomao Co Ltd	2060	3 China
Jiangsu Guoxin Corp Ltd	2311	5 China
Jiangsu Hengli Hydraulic Co Ltd	2382	15 China
Jiangsu Hengrui Medicine Co Ltd	1523	20 China
Jiangsu High Hope International Group Corp	1074	1 China
Jiangsu Hongdou Industrial Co Ltd	3310	3 China
Jiangsu Hongtu High Technology Co Ltd	4762	4 China
Jiangsu Jiangyin Rural Commercial Bank Co Ltd	4542	6 China
Jiangsu Kanion Pharmaceutical Co Ltd	2218	6 China
Jiangsu King's Luck Brewery JSC Ltd	3566	20 China
Jiangsu Linyang Energy Co Ltd	2307	3 China
Jiangsu Nhwa Pharmaceutical Co Ltd	1319	3 China
Jiangsu Phoenix Publishing & Media Corp Ltd	5882	10 China
Jiangsu Provincial Agricultural Reclamation and Development Corp	1610	2 China
Jiangsu Shagang Co Ltd	780	2 China
Jiangsu Suzhou Rural Commercial Bank Co Ltd	974	1 China
Jiangsu Yanghe Brewery Joint-Stock Co Ltd	894	23 China
Jiangsu Yangnong Chemical Co Ltd	405	4 China
Jiangsu Yuyue Medical Equipment & Supply Co Ltd	3668	18 China
Jiangsu Zhangjiagang Rural Commercial Bank Co Ltd	4645	6 China
Jiangsu Zhongli Group Co Ltd	848	2 China
Jiangsu Zhongnan Construction Group Co Ltd	3249	6 China
Jiangsu Zongyi Co Ltd	4009	6 China
Jiangxi Copper Co Ltd	870	3 China
Jiangxi Ganyue Expressway Co Ltd	3052	3 China
Jiangxi Hongdu Aviation Industry Co Ltd	2212	7 China
Jiangxi Special Electric Motor Co Ltd	7017	8 China
Jiangxi Zhengbang Technology Co Ltd	3050	10 China
Jiangzhong Pharmaceutical Co Ltd	1295	5 China
Jiaozuo Wanfang Aluminum Manufacturing Co Ltd	4902	5 China
Jiayuan International Group Ltd	2818	2 China
Jih Sun Financial Holdings Co Ltd	2779	1 Taiwan
Jihua Group Corp Ltd	13768	13 China
Jilin Aodong Pharmaceutical Group Co Ltd	4782	17 China
Jilin Yatai Group Co Ltd	18976	15 China
Jilin Zixin Pharmaceutical Industrial Co Ltd	2633	5 China
Jinchuan Group International Resources Co Ltd	12911	2 China
Jinduicheng Molybdenum Co Ltd	7708	11 China
Jinke Properties Group Co Ltd	15344	22 China
Jinneng Science&Technology Co Ltd	478	1 China
Jinyu Bio-Technology Co Ltd	6017	21 China
Jinzhou Cihang Group Co Ltd	5458	3 China
Jiuzhitang Co Ltd	896	2 China

Jizhong Energy Resources Co Ltd	8491	7 China
JM Smucker Co/The	342	53 United States
Joeone Co Ltd	751	2 China
Johnson & Johnson	5367	1,002 United States
Joincare Pharmaceutical Group Industry Co Ltd	6062	11 China
Jointo Energy Investment Co Ltd Hebei	5058	8 China
Jointown Pharmaceutical Group Co Ltd	2477	8 China
Jollibee Foods Corp	2223	18 Philippines
Jonjee Hi-Tech Industrial And Commercial Holding Co Ltd	2866	21 China
Joyoung Co Ltd	2168	10 China
JPMorgan Chase & Co	3005	406 United States
JSR Corp	180	4 Japan
JSW Steel Ltd	239	1 India
JTEKT Corp	1139	19 Japan
Juewei Food Co Ltd	305	3 China
Juki Corp	307	4 Japan
Julong Co Ltd	1412	3 China
JUMBO SA	261	6 Greece
Juneyao Airlines Co Ltd	4362	13 China
Juniper Networks Inc	1630	58 United States
Jupiter Fund Management PLC	2056	13 United Kingdom
JVC Kenwood Corp	2001	6 Japan
JXTG Holdings Inc	1349	8 Japan
K's Holdings Corp	555	7 Japan
Kagome Co Ltd	299	11 Japan
Kailuan Energy Chemical Co Ltd	2075	3 China
Kajima Corp	2076	41 Japan
Kaken Pharmaceutical Co Ltd	164	10 Japan
Kalbe Farma Tbk PT	96901	14 Indonesia
Kamigumi Co Ltd	667	21 Japan
Kanamoto Co Ltd	70	2 Japan
Kaneka Corp	331	17 Japan
Kangmei Pharmaceutical Co Ltd	1037	2 China
Kansai Electric Power Co Inc/The	2825	56 Japan
Kansai Mirai Financial Group Inc	297	3 Japan
Kansai Paint Co Ltd	465	12 Japan
Kansas City Southern	61	9 United States
Kao Corp	1588	167 Japan
Kasikornbank PCL	1845	15 Thailand
Kasikornbank PCL Depository Receipt	4165	33 Thailand
Kasikornbank PCL Foreign	1908	15 Thailand
Kawasaki Heavy Industries Ltd	376	12 Japan
KB Financial Group Inc	535	26 South Korea
KB Financial Group Inc Depository Receipt	23	1 South Korea
KBC Group NV	318	30 Belgium
KCC Corp	4	2 South Korea
KCE Electronics PCL Depository Receipt	1641	2 Thailand
KDDI Corp	5319	153 Japan
Keda Clean Energy Co Ltd	6486	7 China
Keihan Holdings Co Ltd	355	20 Japan
Keikyu Corp	491	11 Japan
Keio Corp	297	26 Japan
Keisei Electric Railway Co Ltd	681	33 Japan
Kellogg Co	599	46 United States
Kenda Rubber Industrial Co Ltd	1383	2 Taiwan
Kenedix Inc	231	2 Japan
Kenedix Office Investment Corp	0	4 Japan
Kennametal Inc	66	3 United States
Keppel REIT	5664	7 Singapore
Kering SA	35	27 France
Kerry Group PLC	218	33 Ireland
Kerry Properties Ltd	2542	15 Hong Kong
Kesko OYJ	15	1 Finland
Keurig Dr Pepper Inc	443	17 United States
Kewpie Corp	240	8 Japan
KeyCorp	1329	28 United States
Keyence Corp	263	219 Japan
Keysight Technologies Inc	19	2 United States
KGHM Polska Miedz SA	705	26 Poland
Kia Motors Corp	161	7 South Korea
Kiatnakin Bank PCL Depository Receipt	1394	4 Thailand
Kikkoman Corp	556	36 Japan
Kilroy Realty Corp	24	2 United States
Kimberly-Clark Corp	1258	208 United States
Kimco Realty Corp	1825	45 United States
Kinden Corp	617	14 Japan
King Yuan Electronics Co Ltd	1628	2 Taiwan
King's Town Bank Co Ltd	2376	3 Taiwan
KingClean Electric Co Ltd	595	3 China
Kingenta Ecological Engineering Group Co Ltd	11292	17 China
Kingfa Sci & Tech Co Ltd	9977	11 China
Kingnet Network Co Ltd	5943	6 China
Kingspan Group PLC	45	3 Ireland
Kinnevik AB	265	9 Sweden
Kintetsu Group Holdings Co Ltd	391	24 Japan
Kirby Corp	163	16 United States
Kirin Holdings Co Ltd	3273	104 Japan

Kiwi Property Group Ltd	2141	3 New Zealand
KLab Inc	132	1 Japan
KLCCP Stapled Group	908	2 Malaysia
Klepierre SA	1026	48 France
Knorr-Bremse AG	2050	272 Germany
Kobayashi Pharmaceutical Co Ltd	193	22 Japan
Kobe Steel Ltd	2690	27 Japan
KOC Holding AS	4503	17 Turkey
Koito Manufacturing Co Ltd	197	15 Japan
Kolon Industries Inc	25	1 South Korea
Komatsu Ltd	2888	90 Japan
Komerční banka as	336	18 Czech Republic
Kone OYJ	130	9 Finland
Kongsberg Gruppen ASA	129	3 Norway
Konica Minolta Inc	2744	36 Japan
Koninklijke Ahold Delhaize NV	2141	76 Netherlands
Koninklijke KPN NV	107412	455 Netherlands
Koninklijke Philips NV	125	7 Netherlands
Koninklijke Vopak NV	50	3 Netherlands
Konka Group Co Ltd	2086	2 China
Korea Electric Power Corp	593	21 South Korea
Korea Gas Corp	77	4 South Korea
Korea Investment Holdings Co Ltd	85	6 South Korea
Korea Zinc Co Ltd	31	17 South Korea
Korean Air Lines Co Ltd	46	2 South Korea
Korean Reinsurance Co	709	8 South Korea
Kose Corp	128	31 Japan
Kotak Mahindra Bank Ltd	115164	2,964 India
Kraft Heinz Co/The	1569	68 United States
Kroger Co/The	2651	87 United States
Krones AG	35	4 Germany
Krung Thai Bank PCL	10546	9 Thailand
Krung Thai Bank PCL Depositary Receipt	10047	8 Thailand
Krungthai Card PCL	897	1 Thailand
Krungthai Card PCL Depositary Receipt	2341	3 Thailand
KT Corp	222	7 South Korea
KT&G Corp	22	3 South Korea
Kuala Lumpur Kepong Bhd	1650	13 Malaysia
Kuang-Chi Technologies Co Ltd	917	2 China
Kubota Corp	3908	75 Japan
Kumba Iron Ore Ltd	195	8 South Africa
Kumho Petrochemical Co Ltd	54	6 South Korea
Kunlun Energy Co Ltd	1219	2 China
Kunwu Jiuding Investment Holdings Co Ltd	668	4 China
Kuraray Co Ltd	507	9 Japan
Kurita Water Industries Ltd	578	20 Japan
Kweichow Moutai Co Ltd	1224	208 China
Kyocera Corp	817	64 Japan
Kyowa Exeo Corp	283	10 Japan
Kyowa Hakko Kirin Co Ltd	688	20 Japan
Kyushu Electric Power Co Inc	1878	30 Japan
Kyushu Financial Group Inc	1232	7 Japan
Kyushu Railway Co	567	25 Japan
L Brands Inc	467	17 United States
L E Lundbergforetagen AB	61	3 Sweden
L'Oreal SA	484	174 France
L3 Technologies Inc	41	11 United States
Laboratory Corp of America Holdings	90	18 United States
LafargeHolcim Ltd	894	59 Switzerland
Lam Research Corp	94	22 United States
Lamb Weston Holdings Inc	204	20 United States
Land & Houses PCL	9017	4 Thailand
Land & Houses PCL Depositary Receipt	9943	4 Thailand
Land Securities Group PLC	1220	19 United Kingdom
Lannett Co Inc	670	7 United States
Lanzhou LS Heavy Equipment Co Ltd	2162	3 China
Lao Feng Xiang Co Ltd	414	4 China
Laobaixing Pharmacy Chain JSC	779	10 China
Largan Precision Co Ltd	525	105 Taiwan
Larsen & Toubro Ltd	134	4 India
Las Vegas Sands Corp	379	31 United States
Latam Airlines Group SA	86	1 Chile
Lawson Inc	374	28 Japan
Lear Corp	37	7 United States
Legend Holdings Corp	830	3 China
Legrand SA	216	19 France
Lennar Corp	19	1 United States
Leo Group Co Ltd	19713	8 China
Leonardo SpA	309	5 Italy
Leroy Seafood Group ASA	590	6 Norway
LF Corp	111	3 South Korea
LG Chem Ltd	86	37 South Korea
LG Chem Ltd Preference	16	4 South Korea
LG Corp	27	2 South Korea
LG Display Co Ltd	616	14 South Korea
Lianhe Chemical Technology Co Ltd	3807	8 China
Liberty Global PLC A	729	24 United States

Liberty Global PLC C	901	29 United States
Liberty Holdings Ltd	603	6 South Africa
Liberty Media Corp-Liberty Formula One	22	1 United States
Liberty Media Corp-Liberty SiriusXM A	172	9 United States
Liberty Media Corp-Liberty SiriusXM C	270	14 United States
Liberty Property Trust	84	5 United States
Lien Hwa Industrial Corp	3295	5 Taiwan
Lifan Industry Group Co Ltd	3380	3 China
Lifco AB	31	2 Sweden
Life Healthcare Group Holdings Ltd	6729	17 South Africa
Life Storage Inc	24	3 United States
Ligeance Aerospace Technology Co Ltd	785	2 China
Lincoln Electric Holdings Inc	43	5 United States
Lincoln National Corp	209	16 United States
Linde PLC	2705	636 United States
LINE Corp	48	2 Japan
LingNan Eco&Culture-Tourism Co Ltd	1311	2 China
Lingyuan Iron & Steel Co Ltd	3380	2 China
Link REIT	4440	69 Hong Kong
Lion Corp	981	28 Japan
Lions Gate Entertainment Corp	297	6 United States
Lippo Karawaci Tbk PT	54613	1 Indonesia
Lite-On Technology Corp	17832	35 Taiwan
Liuzhou Iron & Steel Co Ltd	4532	7 China
LivaNova PLC	105	14 United States
Live Nation Entertainment Inc	10196	865 United States
Livent Corp	215	4 United States
Livzon Pharmaceutical Group Inc	1722	12 China
LIXIL Group Corp	953	17 Japan
Lockheed Martin Corp	148	59 United States
Loews Corp	245	16 United States
Lomon Billions Group Co Ltd	2088	7 China
Loncin Motor Co Ltd	6748	7 China
Long Chen Paper Co Ltd	1361	1 Taiwan
Long Yuan Construction Group Co Ltd	1999	3 China
Longfor Group Holdings Ltd	883	4 China
Lonza Group AG	71	29 Switzerland
Loomis AB	46	2 Sweden
Lotte Chemical Titan Holding Bhd	1910	3 Malaysia
Lotte Shopping Co Ltd	19	4 South Korea
Louisiana-Pacific Corp	73	2 United States
Lowe's Cos Inc	306	45 United States
LPL Financial Holdings Inc	71	7 United States
LPP SA	7	20 Poland
LT Group Inc	10494	4 Philippines
Luenmei Quantum Co Ltd	4834	13 China
LUKOIL PJSC	138	16 Russia
LUKOIL PJSC Depositary Receipt	3775	452 Russia
Lululemon Athletica Inc	46	10 United States
Lung Yen Life Service Corp	444	1 Taiwan
Luthai Textile Co Ltd	769	2 China
Luxi Chemical Group Co Ltd	5623	16 China
Luxshare Precision Industry Co Ltd	1547	8 China
Luye Pharma Group Ltd	952	1 China
Luzhou Laojiao Co Ltd	620	8 China
LyondellBasell Industries NV	1224	137 United States
M&T Bank Corp	162	34 United States
M3 Inc	1520	34 Japan
Maanshan Iron & Steel Co Ltd A	19474	15 China
Maanshan Iron & Steel Co Ltd H	2474	2 China
Macerich Co/The	360	21 United States
MACOM Technology Solutions Holdings Inc	229	5 United States
Macquarie Infrastructure Corp	211	12 United States
MacroLink Culturaltainment Development Co Ltd	2479	2 China
Macronix International	6586	6 Taiwan
Maeda Corp	214	3 Japan
Magnit PJSC Depositary Receipt	2523	48 Russia
Mahindra & Mahindra Ltd	210	3 India
Major Cineplex Group PCL Depositary Receipt	1846	2 Thailand
Makalot Industrial Co Ltd	562	5 Taiwan
Makino Milling Machine Co Ltd	67	4 Japan
Makita Corp	729	34 Japan
Malakoff Corp Bhd	4498	1 Malaysia
Malayan Banking Bhd	17175	52 Malaysia
Malaysia Airports Holdings Bhd	3050	7 Malaysia
Malaysia Building Society Bhd	4896	2 Malaysia
Mallinckrodt PLC	361	10 United States
Man Group PLC	6760	16 United Kingdom
Mango Excellent Media Co Ltd	1527	13 China
Manila Electric Co	1306	13 Philippines
ManpowerGroup Inc	98	11 United States
Mapfre SA	976	4 Spain
Mapletree Commercial Trust	6134	11 Singapore
Mapletree Logistics Trust	6102	9 Singapore
Mapletree North Asia Commercial Trust	5362	7 Singapore
Markor International Home Furnishings Co Ltd	2328	2 China
Marks & Spencer Group PLC	239	1 United Kingdom

Marriott Vacations Worldwide Corp	10	1 United States
Marsh & McLennan Cos Inc	267	34 United States
Martin Marietta Materials Inc	39	11 United States
Marubeni Corp	6217	57 Japan
Marui Group Co Ltd	726	20 Japan
Maruichi Steel Tube Ltd	67	3 Japan
Maruti Suzuki India Ltd	30	4 India
Marvell Technology Group Ltd	267	7 United States
Masimo Corp	107	20 United States
Masraf Al Rayan QSC	2176	29 Qatar
Mastercard Inc	4416	1,389 United States
Matahari Department Store Tbk PT	7516	3 Indonesia
Matsumotokiyoshi Holdings Co Ltd	405	18 Japan
Maxis Bhd	7848	14 Malaysia
Mayinglong Pharmaceutical Group Co Ltd	1551	5 China
Mazda Motor Corp	3034	45 Japan
mBank SA	68	10 Poland
McCormick & Co Inc/MD	338	68 United States
McDonald's Holdings Co Japan Ltd	156	10 Japan
McKesson Corp	394	62 United States
Mebuki Financial Group Inc	3227	11 Japan
Mediaset Espana Comunicacion SA	645	6 Spain
Mediaset SpA	4033	16 Italy
MediaTek Inc	7277	89 Taiwan
Mediclinic International PLC	372	2 South Africa
Medidata Solutions Inc	1016	99 United States
Medipal Holdings Corp	392	12 Japan
MEDNAX Inc	194	7 United States
Medtronic PLC	2968	361 United States
Medy-Tox Inc	5	3 South Korea
Mega Financial Holding Co Ltd	69511	85 Taiwan
Megaworld Corp	63518	9 Philippines
Meidu Energy Corp	4362	2 China
Meihua Holdings Group Co Ltd	3521	4 China
MEIJI Holdings Co Ltd	474	51 Japan
Meinian Onehealth Healthcare Holdings Co Ltd	1678	6 China
Meisheng Cultural & Creative Corp Ltd	2442	5 China
Meituan Dianping	58323	525 China
Melia Hotels International SA	158	2 Spain
Melison Ltd	24	2 Israel
Melker Schorling AB	30	2 Sweden
MercadoLibre Inc	66	45 Argentina
Merck & Co Inc	6431	715 United States
Meridian Energy Ltd	696	3 New Zealand
Meritage Homes Corp	309	18 United States
Meritor Inc	204	6 United States
Meritz Financial Group Inc	96	2 South Korea
Meritz Securities Co Ltd	993	6 South Korea
Merlin Entertainments PLC	674	4 United Kingdom
Merry Electronics Co Ltd	824	6 Taiwan
Metallurgical Corp of China Ltd A	9999	7 China
Metallurgical Corp of China Ltd H	13860	5 China
MetLife Inc	1153	66 United States
METRO AG	450	10 Germany
Metro Pacific Investments Corp	66722	8 Philippines
Metropolitan Bank & Trust Co	7733	16 Philippines
Metso OYJ	338	16 Finland
Mettler-Toledo International Inc	10	10 United States
MGIC Investment Corp	255	4 United States
Michaels Cos Inc/The	301	5 United States
Micro-Star International Co Ltd	4855	18 Taiwan
Microport Scientific Corp	1527	2 China
Mid-America Apartment Communities Inc	470	69 United States
Midea Group Co Ltd	130646	1,266 China
MINEBEA MITSUMI Inc	1166	23 Japan
Minmetals Capital Co Ltd	1600	3 China
Minmetals Development Co Ltd	3049	5 China
Minor International PCL	5289	9 Thailand
Minor International PCL Depositary Receipt	4179	7 Thailand
Mirae Asset Daewoo Co Ltd	637	5 South Korea
MISC Bhd	4035	9 Malaysia
MISUMI Group Inc	354	12 Japan
Mitac Holdings Corp	2057	3 Taiwan
Mitra Keluarga Karyasehat Tbk PT	16883	3 Indonesia
Mitsubishi Chemical Holdings Corp	7273	68 Japan
Mitsubishi Corp	5326	198 Japan
Mitsubishi Electric Corp	7762	133 Japan
Mitsubishi Estate Co Ltd	4069	98 Japan
Mitsubishi Gas Chemical Co Inc	1226	23 Japan
Mitsubishi Heavy Industries Ltd	1698	94 Japan
Mitsubishi Logistics Corp	46	2 Japan
Mitsubishi Materials Corp	350	12 Japan
Mitsubishi Motors Corp	1059	8 Japan
Mitsubishi Tanabe Pharma Corp	921	16 Japan
Mitsubishi UFJ Financial Group Inc	33537	223 Japan
Mitsubishi UFJ Lease & Finance Co Ltd	2565	17 Japan
Mitsui & Co Ltd	6438	134 Japan

Mitsui Chemicals Inc	787	25	Japan
Mitsui E&S Holdings Co Ltd	155	2	Japan
Mitsui Fudosan Co Ltd	3278	110	Japan
Mitsui Mining & Smelting Co Ltd	171	6	Japan
Mitsui OSK Lines Ltd	666	19	Japan
Miura Co Ltd	356	11	Japan
Mixi Inc	112	3	Japan
Mizrahi Tefahot Bank Ltd	130	4	Israel
Mizuho Financial Group Inc	70099	145	Japan
MK Restaurants Group PCL Depository Receipt	692	2	Thailand
MKS Instruments Inc	80	10	United States
MLS Co Ltd	1969	6	China
MMC Norilsk Nickel PJSC	18	5	Russia
MMC Norilsk Nickel PJSC Depository Receipt	5335	151	Russia
MMI Holdings Ltd/South Africa	2722	4	South Africa
Mobile TeleSystems PJSC Depository Receipt	3948	40	Russia
Moderna Inc	1600	43	United States
Mohawk Industries Inc	132	22	United States
MOL Hungarian Oil & Gas PLC	2541	39	Hungary
Molina Healthcare Inc	116	22	United States
Molson Coors Brewing Co	781	62	United States
Mondelez International Inc	11381	759	United States
Mondi Ltd	616	18	South Africa
Moneda - Moneda Deuda Latinoamericana Fondo de Inversion	1391	264	Brazil
Moneda - Moneda Latinoamerica Deuda Local	50	75	Chile
Moneta Money Bank AS	1704	8	Czech Republic
Moneysupermarket.com Group PLC	2591	17	United Kingdom
MonotaRO Co Ltd	426	13	Japan
Monro Inc	91	10	United States
Monster Beverage Corp	1422	104	United States
Moody's Corp	226	55	United States
Morgan Stanley	1323	75	United States
Mori Hills REIT Investment Corp	1	1	Japan
Mori Trust Sogo Reit Inc	4	9	Japan
Morinaga & Co Ltd/Japan	201	12	Japan
Mosaic Co/The	2062	75	United States
Motor Oil Hellas Corinth Refineries SA	181	6	Greece
Mowi ASA	10970	328	Norway
Mr Price Group Ltd	1488	26	South Africa
MS&AD Insurance Group Holdings Inc	1749	71	Japan
MSC Industrial Direct Co Inc	75	8	United States
MSCI Inc	198	53	United States
MTN Group Ltd	8175	67	South Africa
Muangthai Capital PCL	1772	3	Thailand
Muangthai Capital PCL Depository Receipt	1190	2	Thailand
MultiChoice Group Ltd	2132	24	South Africa
Murata Manufacturing Co Ltd	6261	417	Japan
Murphy Oil Corp	318	12	United States
Murphy USA Inc	347	40	United States
Muyuan Foodstuff Co Ltd	1251	16	China
My EG Services Bhd	6974	3	Malaysia
Myhome Real Estate Development Group Co Ltd	13157	7	China
Mylan NV	1736	66	United States
MYOB Group Ltd	1531	5	Australia
MYS Group Co Ltd	2016	2	China
Mytilineos Holdings SA	218	3	Greece
Nabtesco Corp	305	12	Japan
Nagoya Railroad Co Ltd	316	12	Japan
Nan Kang Rubber Tire Co Ltd	858	1	Taiwan
Nan Ya Plastics Corp	34170	117	Taiwan
NanJi E-Commerce Co Ltd	7947	18	China
Nanjing Central Emporium	3753	3	China
Nanjing Gaoke Co Ltd	5086	12	China
Nanjing Huadong Electronics Information & Technology Co Ltd	16495	9	China
Nanjing Iron & Steel Co Ltd	16692	14	China
Nanjing Redsun Co Ltd	759	2	China
Nanjing Securities Co Ltd	1554	5	China
Nanjing Xinjiekou Department Store Co Ltd	1214	4	China
Nankai Electric Railway Co Ltd	633	23	Japan
Nanya Technology Corp	6778	18	Taiwan
Nanyang Topsec Technologies Group Inc	2714	9	China
NARI Technology Co Ltd	2947	12	China
Nasdaq Inc	627	73	United States
Naspers Ltd	2132	658	South Africa
National Instruments Corp	332	20	United States
NAURA Technology Group Co Ltd	942	13	China
Navient Corp	252	4	United States
Navigator Co SA/The	320	2	Portugal
NavInfo Co Ltd	865	4	China
Navistar International Corp	321	14	United States
Navitas Ltd	738	4	Australia
NEC Corp	1002	45	Japan
Nedbank Group Ltd	1600	37	South Africa
Nektar Therapeutics	29	1	United States
Neoglory Prosperity Inc	3759	2	China
Neopost SA	116	4	France
NEPI Rockcastle PLC	1138	13	Romania

Neste Oyj	149	21 Finland
Nestle India Ltd	7	1 India
Nestle Malaysia Bhd	238	11 Malaysia
Nestle SA	8227	1,047 Switzerland
NetApp Inc	204	19 United States
Netcare Ltd	6987	15 South Africa
Netflix Inc	469	223 United States
Netmarble Corp	819	121 South Korea
NetScout Systems Inc	896	34 United States
Neusoft Corp	4470	13 China
Nevro Corp	135	11 United States
New China Life Insurance Co Ltd	1988	21 China
New Hope Liuhe Co Ltd	1621	4 China
New Oriental Education & Technology Group Inc Depositary Receipt	92	11 China
New Residential Investment Corp	296	7 United States
New World Development Co Ltd	15192	34 Hong Kong
New York Community Bancorp Inc	86	1 United States
Neway Valve Suzhou Co Ltd	653	2 China
Newland Digital Technology Co Ltd	3637	13 China
Newmont Mining Corp	1387	66 United States
News Corp A	846	14 United States
News Corp B	122	2 United States
Next PLC	113	11 United Kingdom
NextEra Energy Inc	1505	389 United States
NGK Spark Plug Co Ltd	456	11 Japan
NH Foods Ltd	333	16 Japan
NH Investment & Securities Co Ltd	389	6 South Korea
NHK Spring Co Ltd	426	5 Japan
NHN Entertainment Corp	18	2 South Korea
Nibe Industrier AB	640	11 Sweden
Nichirei Corp	268	9 Japan
Nidec Corp	836	141 Japan
Nien Made Enterprise Co Ltd	843	10 Taiwan
Nifco Inc/Japan	213	7 Japan
Nihon Kohden Corp	61	2 Japan
Nihon M&A Center Inc	518	19 Japan
NIKE Inc	3122	351 United States
Nikon Corp	1087	20 Japan
Ningbo Huaxiang Electronic Co Ltd	1931	5 China
Ningbo Joyson Electronic Corp	2928	16 China
Ningbo Peacebird Fashion Co Ltd	461	2 China
Ningbo Sanxing Medical Electric Co Ltd	1865	3 China
Ningbo Shanshan Co Ltd	3640	11 China
Ningbo Tuopu Group Co Ltd	1940	8 China
Ningbo Xusheng Auto Technology Co Ltd	174	1 China
Ningbo Yunsheng Co Ltd	3607	5 China
Ningbo Zhoushan Port Co Ltd	7320	6 China
Nintendo Co Ltd	140	53 Japan
Nippon Building Fund Inc	5	44 Japan
Nippon Electric Glass Co Ltd	474	17 Japan
Nippon Express Co Ltd	216	16 Japan
Nippon Kayaku Co Ltd	411	6 Japan
Nippon Paint Holdings Co Ltd	517	27 Japan
Nippon Paper Industries Co Ltd	662	18 Japan
Nippon Prologis REIT Inc	7	19 Japan
Nippon Sheet Glass Co Ltd	263	3 Japan
Nippon Shinyaku Co Ltd	117	11 Japan
Nippon Shokubai Co Ltd	133	12 Japan
Nippon Steel Corp	3463	82 Japan
Nippon Telegraph & Telephone Corp	2260	128 Japan
Nippon Television Holdings Inc	547	11 Japan
Nippon Yusen KK	600	12 Japan
Nishi-Nippon Financial Holdings Inc	588	7 Japan
Nishimatsu Construction Co Ltd	138	4 Japan
Nissan Chemical Corp	571	35 Japan
Nissan Motor Co Ltd	5875	64 Japan
Nisshin Seifun Group Inc	753	23 Japan
Nisshinbo Holdings Inc	603	7 Japan
Nissin Foods Holdings Co Ltd	175	16 Japan
Nitori Holdings Co Ltd	150	26 Japan
Nitto Denko Corp	516	36 Japan
nLight Inc	1601	48 United States
Noble Corp plc	1827	7 United States
NOK Corp	362	8 Japan
Nomura Holdings Inc	10172	49 Japan
Nomura Real Estate Holdings Inc	658	17 Japan
Nomura Real Estate Master Fund Inc	15	29 Japan
Nomura Research Institute Ltd	247	15 Japan
Nordea Bank Abp	4319	44 Finland
Nordex SE	61	1 Germany
Nordstrom Inc	297	18 United States
Norfolk Southern Corp	287	72 United States
Noritake Co Ltd/Nagoya Japan	16	1 Japan
North Electro-Optic Co Ltd	1046	3 China
North Huajin Chemical Industries Co Ltd	2090	3 China
North Industries Group Red Arrow Co Ltd	4517	8 China
North Navigation Control Technology Co Ltd	4837	10 China

Northcom Group Co Ltd	2794	6 China
Northeast Securities Co Ltd	8595	17 China
Northern Star Resources Ltd	161	1 Australia
Northern Trust Corp	246	30 United States
Northrop Grumman Corp	70	25 United States
NorthWestern Corp	730	69 United States
Norwegian Cruise Line Holdings Ltd	130	10 United States
Norwegian Finans Holding ASA	118	1 Norway
NOS SGPS SA	838	7 Portugal
Novartis AG	5872	755 Switzerland
Novartis AG Depository Receipt	14	2 Switzerland
Novatek PJSC Depository Receipt	149	34 Russia
Novo Nordisk A/S	2661	186 Denmark
Novolipetsk Steel PJSC	338	1 Russia
Novolipetsk Steel PJSC Depository Receipt	556	19 Russia
Novozymes A/S	101	6 Denmark
NOW Inc	172	3 United States
NRG Energy Inc	1062	60 United States
NSK Ltd	1048	13 Japan
NTN Corp	3675	15 Japan
NTPC Ltd	670	2 India
NTT DOCOMO Inc	817	24 Japan
Nu Skin Enterprises Inc	559	36 United States
Nuance Communications Inc	902	20 United States
Nucor Corp	761	59 United States
Nutanix Inc	2395	121 United States
NVIDIA Corp	1586	380 United States
NVR Inc	2	6 United States
NWS Holdings Ltd	404	1 Hong Kong
NXP Semiconductors NV	2300	272 Netherlands
O'Reilly Automotive Inc	39	20 United States
O2 Czech Republic AS	137	2 Czech Republic
Obayashi Corp	2460	33 Japan
Obic Co Ltd	118	16 Japan
OC Oerlikon Corp AG	125	2 Switzerland
Oceaneering International Inc	255	5 United States
Oceanwide Holdings Co Ltd	7083	10 China
OCI Co Ltd	54	6 South Korea
OCI NV	49	2 Netherlands
Odakyu Electric Railway Co Ltd	928	30 Japan
Oesterreichische Post AG	22	1 Austria
Offshore Oil Engineering Co Ltd	1861	2 China
OGE Energy Corp	1689	97 United States
Oil & Natural Gas Corp Ltd	398	1 India
Oji Holdings Corp	4377	36 Japan
Oki Electric Industry Co Ltd	487	8 Japan
Old Mutual Ltd	25590	51 South Africa
Olin Corp	823	25 United States
Ollie's Bargain Outlet Holdings Inc	238	27 United States
Olympus Corp	4103	60 Japan
Omron Corp	630	39 Japan
ON Semiconductor Corp	310	9 United States
Ono Pharmaceutical Co Ltd	1443	38 Japan
Ooredoo QPSC	547	13 Qatar
OPAP SA	644	9 Greece
Open House Co Ltd	43	2 Japan
OPKO Health Inc	2329	8 United States
Oppen Home Group Inc	68	2 China
Opple Lighting Co Ltd	928	7 China
Oracle Corp	2643	190 United States
Oracle Corp Japan	109	10 Japan
Orange Polska SA	3301	6 Poland
ORG Technology Co Ltd	7647	9 China
Orient Group Inc	15275	13 China
Orient Securities Co Ltd/China A	4751	11 China
Orient Securities Co Ltd/China H	2230	2 China
Oriental Energy Co Ltd	6898	14 China
Oriental Land Co Ltd/Japan	354	54 Japan
Orion Oyj	161	8 Finland
ORIX Corp	4339	83 Japan
Orix JREIT Inc	11	25 Japan
Orkla ASA	955	10 Norway
Orpea	9374	1,505 France
Orsted A/S	2432	246 Denmark
Osaka Gas Co Ltd	1589	42 Japan
Oshkosh Corp	374	37 United States
OTP Bank Nyrt	1240	73 Hungary
Otsuka Holdings Co Ltd	1697	89 Japan
Ourpalm Co Ltd	14174	11 China
Outotec OYJ	1215	7 Finland
Oversea-Chinese Banking Corp Ltd	4397	48 Singapore
Owens & Minor Inc	761	4 United States
Owens Corning	1075	68 United States
Owens-Illinois Inc	260	7 United States
Pabrik Kertas Tjiwi Kimia Tbk PT	7704	8 Indonesia
PACCAR Inc	448	41 United States
Pacific Securities Co Ltd/The/China	2748	2 China

Pacira Pharmaceuticals Inc/DE	344	18 United States
Packaging Corp of America	202	27 United States
PacWest Bancorp	97	5 United States
Paddy Power Betfair PLC	24	2 Ireland
Pagegroup PLC	826	7 United Kingdom
Pagegrupo Digital Ltd	5377	214 Brazil
Pakuwon Jati Tbk PT	73370	5 Indonesia
Palm Eco-Town Development Co Ltd	6115	6 China
Palo Alto Networks Inc	1397	453 United States
Pan Pacific International Holdings Corp	71	6 Japan
Panasonic Corp	3536	41 Japan
Pang Da Automobile Trade Co Ltd	3920	1 China
Pangang Group Vanadium Titanium & Resources Co Ltd	11446	8 China
Papa John's International Inc	456	32 United States
Parade Technologies Ltd	113	3 Taiwan
Park24 Co Ltd	320	9 Japan
Partners Group Holding AG	28	27 Switzerland
Patterson-UTI Energy Inc	390	7 United States
PAX Global Technology Ltd	2125	1 Hong Kong
PBF Energy Inc	413	17 United States
PCCW Ltd	2260	2 Hong Kong
PCI-Suntek Technology Co Ltd	2113	5 China
PDC Energy Inc	87	5 United States
PDL BioPharma Inc	206	1 United States
Pegatron Corp	12507	29 Taiwan
Pengqi Technology Development Co Ltd	5438	7 China
Penn National Gaming Inc	330	9 United States
Pennon Group PLC	279	4 United Kingdom
Pentair PLC	78	5 United States
People.cn Co Ltd	3605	18 China
PepsiCo Inc	4573	749 United States
PeptiDream Inc	324	21 Japan
Perfect World Co Ltd/China	877	6 China
Pernod Ricard SA	302	72 France
Perrigo Co PLC	203	13 United States
Persimmon PLC	91	3 United Kingdom
Persol Holdings Co Ltd	471	10 Japan
Perusahaan Gas Negara Persero Tbk	54168	12 Indonesia
Petkim Petrokimya Holding AS	4133	4 Turkey
PetroChina Co Ltd	14210	21 China
Petrofac Ltd	670	6 United Kingdom
Petroleum Geo-Services ASA	2257	7 Norway
Petronas Chemicals Group Bhd	9989	30 Malaysia
Petronas Dagangan Bhd	999	8 Malaysia
Petronas Gas Bhd	2137	12 Malaysia
Pets at Home Group Plc	54246	150 United Kingdom
Peugeot SA	1964	64 France
Pfizer Inc	12769	725 United States
PG&E Corp	893	21 United States
PGE Polska Grupa Energetyczna SA	1914	7 Poland
PharmaEssentia Corp	725	5 Taiwan
Philip Morris International Inc	4922	581 United States
Phison Electronics Corp	943	12 Taiwan
PhosAgro PJSC Depository Receipt	590	10 Russia
Physicians Realty Trust	352	9 United States
Pick n Pay Stores Ltd	1705	10 South Africa
Pigeon Corp	570	31 Japan
Pilgrim's Pride Corp	1249	37 United States
Pilipinas Shell Petroleum Corp	1292	2 Philippines
Pinduoduo Inc	54	2 China
Ping An Bank Co Ltd	7486	19 China
Ping An Healthcare and Technology Co Ltd	29214	220 China
Ping An Insurance Group Co of China Ltd A	22055	338 China
Ping An Insurance Group Co of China Ltd H	40468	605 China
Pingdingshan Tianan Coal Mining Co Ltd	3086	3 China
Pinnacle West Capital Corp	467	60 United States
Piraeus Bank SA	601	1 Greece
Piramal Enterprises Ltd	23	1 India
Pitney Bowes Inc	772	7 United States
PLAY Communications SA	507	4 Poland
Playtech Plc	625	5 Isle of Man
PLDT Inc	339	10 Philippines
Plus500 Ltd	120	2 Israel
PNC Financial Services Group Inc/The	374	61 United States
PNM Resources Inc	198	13 United States
Pola Orbis Holdings Inc	472	20 Japan
Polaris Bay Group Co Ltd	3331	8 China
Polski Koncern Naftowy ORLEN SA	1534	52 Poland
Polskie Gornictwo Naftowe i Gazownictwo SA	8610	19 Poland
Poly Developments and Holdings Group Co Ltd	1950	6 China
Poly Property Group Co Ltd	2013	1 China
Portland General Electric Co	383	27 United States
POSCO	190	57 South Korea
POSCO Chemical Co Ltd	68	5 South Korea
Post Holdings Inc	29	4 United States
Postal Savings Bank of China Co Ltd	817090	624 China
Pou Chen Corp	14663	24 Taiwan

Power Assets Holdings Ltd	1497	14 Hong Kong
Power Construction Corp of China Ltd	7736	9 China
Power Grid Corp of India Ltd	517	2 India
Powertech Technology Inc	4340	14 Taiwan
Powszechna Kasa Oszczednosci Bank Polski SA	4448	60 Poland
Powszechny Zaklad Ubezpieczen SA	2970	42 Poland
Poya International Co Ltd	116	2 Taiwan
PPB Group Bhd	1936	12 Malaysia
PPG Industries Inc	444	67 United States
PPL Corp	1155	49 United States
Precinct Properties New Zealand Ltd	1401	2 New Zealand
President Chain Store Corp	4128	54 Taiwan
Press Metal Aluminium Holdings Bhd	7266	11 Malaysia
Principal Financial Group Inc	239	16 United States
Procter & Gamble Co/The	7967	1,107 United States
Progressive Corp/The	85	8 United States
Prologis Inc	2163	208 United States
Prudential Financial Inc	424	52 United States
Prudential PLC	7984	214 United Kingdom
Pruksa Holding PCL Depository Receipt	1764	1 Thailand
PSG Group Ltd	681	16 South Africa
PSP Swiss Property AG	173	25 Switzerland
PTT Exploration & Production PCL	3642	19 Thailand
PTT Exploration & Production PCL Depository Receipt	2600	14 Thailand
PTT Global Chemical PCL	5163	15 Thailand
PTT Global Chemical PCL Depository Receipt	4842	14 Thailand
PTT PCL	25078	51 Thailand
PTT PCL Depository Receipt	17766	36 Thailand
Pubang Landscape Architecture Co Ltd	6462	5 China
Public Bank Bhd	9655	73 Malaysia
Public Service Enterprise Group Inc	1641	130 United States
Public Storage	539	157 United States
PulteGroup Inc	537	20 United States
Puregold Price Club Inc	4013	5 Philippines
Qatar Electricity & Water Co QSC	265	17 Qatar
Qatar Gas Transport Co Ltd	583	4 Qatar
Qatar Insurance Co SAQ	852	11 Qatar
Qatar Islamic Bank SAQ	621	35 Qatar
Qatar National Bank QPSC	2250	149 Qatar
QEP Resources Inc	820	9 United States
QIAGEN NV	187	10 Germany
QinetiQ Group PLC	4908	26 United Kingdom
Qingdao East Steel Tower Stock Co Ltd	844	1 China
Qingdao Haier Co Ltd	1252	4 China
Qingdao TGOOD Electric Co Ltd	2564	11 China
Qingdao Topcomm Communication Inc	193	1 China
Qinghai Salt Lake Industry Co Ltd	2453	3 China
Qinhuangdao Port Co Ltd	12517	11 China
Qisda Corp	6507	6 Taiwan
QL Resources Bhd	3132	7 Malaysia
Qorvo Inc	211	20 United States
QUALCOMM Inc	1261	96 United States
Quality Houses PCL Depository Receipt	17186	2 Thailand
Quanta Computer Inc	15204	38 Taiwan
Qube Holdings Ltd	157779	419 Australia
Quest Diagnostics Inc	138	17 United States
Qurate Retail Inc	103	2 United States
Radian Group Inc	5055	140 United States
Radiant Opto-Electronics Corp	1130	5 Taiwan
Raiffeisen Bank International AG	152	5 Austria
Rainbow Department Store Co Ltd	1569	5 China
Ralph Lauren Corp	285	49 United States
Rand Merchant Investment Holdings Ltd	3464	11 South Africa
Range Resources Corp	557	8 United States
Ratchaburi Electricity Generating Holding PCL	504	1 Thailand
Ratchaburi Electricity Generating Holding PCL Depository Receipt	851	2 Thailand
Raymond James Financial Inc	185	20 United States
Raytheon Co	74	18 United States
Realcan Pharmaceutical Group Co Ltd	6164	11 China
Realogy Holdings Corp	1789	27 United States
Realtek Semiconductor Corp	3368	27 Taiwan
Realty Income Corp	670	66 United States
Recruit Holdings Co Ltd	4745	181 Japan
Red Avenue New Materials Group Co Ltd	331	2 China
Red Electrica Corp SA	1007	29 Spain
Red Hat Inc	85	21 United States
Red Robin Gourmet Burgers Inc	89	3 United States
Red Star Macalline Group Corp Ltd	1087	3 China
Redco Group	3087	2 China
Redefine Properties Ltd	24504	22 South Africa
Redrow PLC	226	2 United Kingdom
Regal Beloit Corp	146	16 United States
Regency Centers Corp	613	55 United States
Regeneron Pharmaceuticals Inc	252	138 United States
Regions Financial Corp	1533	29 United States
Reinet Investments SCA	445	10 Luxembourg
Reliance Industries Ltd	805	21 India

Reliance Steel & Aluminum Co	142	17 United States
Relo Group Inc	527	20 Japan
Remgro Ltd	2036	35 South Africa
Remy Cointreau SA	16	3 France
Renault SA	28	2 France
Rendong Holdings Co Ltd	732	2 China
Renasas Electronics Corp	1003	6 Japan
Rengo Co Ltd	382	5 Japan
Republic Services Inc	325	35 United States
Resideo Technologies Inc	76	2 United States
Resilient REIT Ltd	837	4 South Africa
ResMed Inc	329	46 United States
Resona Holdings Inc	8170	47 Japan
Resorttrust Inc	820	15 Japan
Rexel SA	134	2 France
RHB Bank Bhd	4547	8 Malaysia
Rheinmetall AG	29	4 Germany
Richter Gedeon Nyrt	733	18 Hungary
Ricoh Co Ltd	962	13 Japan
Rightmove PLC	5848	52 United Kingdom
Rinnai Corp	61	6 Japan
RiseSun Real Estate Development Co Ltd	2619	6 China
Rising Nonferrous Metals Share Co Ltd	776	5 China
Rizhao Port Co Ltd	11356	8 China
RLJ Lodging Trust	81	2 United States
RMB Holdings Ltd	3638	26 South Africa
Robinson PCL	1199	3 Thailand
Robinson PCL Depository Receipt	1157	3 Thailand
Robinsons Land Corp	5488	3 Philippines
Roche Holding AG	54	20 Switzerland
Roche Holding AG Non Voting	2039	751 Switzerland
Rockwell Automation Inc	43	10 United States
Rockwool International A/S	4	1 Denmark
Rohm Co Ltd	175	15 Japan
Rollins Inc	253	14 United States
Rongan Property Co Ltd	2358	1 China
Rongsheng Petro Chemical Co Ltd	7029	18 China
Ronshine China Holdings Ltd	1963	4 China
Rosneft Oil Co PJSC	329	3 Russia
Rosneft Oil Co PJSC Depository Receipt	1965	16 Russia
Round One Corp	190	3 Japan
Royal Caribbean Cruises Ltd	2449	375 United States
Royal Unibrew A/S	91	9 Denmark
RPC Group PLC	168	2 United Kingdom
RPM International Inc	249	19 United States
Ruentex Development Co Ltd	2621	5 Taiwan
Ruentex Industries Ltd	2152	8 Taiwan
RWE AG	1567	56 Germany
Ryohin Keikaku Co Ltd	88	30 Japan
S&P Global Inc	320	90 United States
S-Oil Corp	19	2 South Korea
Saab AB	102	4 Sweden
Sabre Corp	380	11 United States
SACI Falabella	212	2 Chile
Sacyr SA	5051	17 Spain
SAIC Motor Corp Ltd	6237	32 China
Saipem SpA	630	4 Italy
Sally Beauty Holdings Inc	437	11 United States
Salmar ASA	220	14 Norway
Salzgitter AG	467	18 Germany
Samsung Biologics Co Ltd	406	153 South Korea
Samsung C&T Corp	25	3 South Korea
Samsung Card Co Ltd	46	2 South Korea
Samsung Electro-Mechanics Co Ltd	187	23 South Korea
Samsung Electronics Co Ltd	23755	1,248 South Korea
Samsung Electronics Co Ltd Depository Receipt	2	2 South Korea
Samsung Electronics Co Ltd Preference	1801	77 South Korea
Samsung Engineering Co Ltd	444	8 South Korea
Samsung Fire & Marine Insurance Co Ltd	97	35 South Korea
Samsung Fire & Marine Insurance Co Ltd Preference	6	1 South Korea
Samsung Life Insurance Co Ltd	190	19 South Korea
Samsung SDI Co Ltd	1018	257 South Korea
Samsung SDS Co Ltd	86	24 South Korea
Samsung Securities Co Ltd	141	6 South Korea
San Miguel Corp	1871	8 Philippines
Sanan Optoelectronics Co Ltd	1095	3 China
Sands China Ltd	52471	352 Hong Kong
Sandvik AB	3518	77 Sweden
Sankyo Co Ltd	280	14 Japan
Sankyu Inc	221	14 Japan
Sanlam Ltd	8611	59 South Africa
Sanofi	1783	211 France
Sansteel Minguang Co Ltd Fujian	3468	11 China
Santander Bank Polska SA	152	20 Poland
Santander Consumer USA Holdings Inc	251	7 United States
Santen Pharmaceutical Co Ltd	1038	21 Japan
Sanwa Holdings Corp	135	2 Japan

Sany Heavy Industry Co Ltd	2078	5 China
SAP SE	7363	1,138 Germany
Sappi Ltd	2630	16 South Africa
Sapporo Holdings Ltd	214	6 Japan
Sasol Ltd	2827	118 South Africa
Saurer Intelligent Technology Co Ltd	2923	5 China
SBA Communications Corp	2272	606 United States
Sberbank of Russia PJSC	3045	13 Russia
Sberbank of Russia PJSC Depositary Receipt	5115	91 Russia
SBI Holdings Inc/Japan	489	15 Japan
SBI Life Insurance Co Ltd	28584	322 India
SBM Offshore NV	860	22 Netherlands
Schaeffler AG	241	3 Germany
Schindler Holding AG	50	14 Switzerland
Schneider Electric SE	322	34 France
Schroders PLC	56	3 United Kingdom
SDIC Capital Co Ltd	3480	10 China
SDIC Power Holdings Co Ltd	2062	3 China
Seagate Technology PLC	641	41 United States
Sealand Securities Co Ltd	17267	21 China
Sealed Air Corp	184	11 United States
Seattle Genetics Inc	493	48 United States
SeaWorld Entertainment Inc	1129	39 United States
Seazen Holdings Co Ltd	1465	13 China
Secom Co Ltd	625	72 Japan
Security Bank Corp	1533	7 Philippines
SEI Investments Co	246	17 United States
Seibu Holdings Inc	999	23 Japan
Seiko Epson Corp	726	15 Japan
Seiko Holdings Corp	391	12 Japan
Seino Holdings Co Ltd	1074	19 Japan
Sekisui Chemical Co Ltd	1202	26 Japan
Sekisui House Ltd	1325	29 Japan
Sembcorp Marine Ltd	726	1 Singapore
Semen Indonesia Persero Tbk PT	15184	20 Indonesia
Semirara Mining & Power Corp	5110	3 Philippines
Sempra Energy	662	111 United States
Senior Housing Properties Trust	616	10 United States
Sensata Technologies Holding PLC	332	20 United States
Seohan Co Ltd	563	1 South Korea
Seria Co Ltd	40	2 Japan
Service Corp International/US	731	39 United States
ServiceMaster Global Holdings Inc	125	8 United States
Seven & i Holdings Co Ltd	2270	114 Japan
Severstal PJSC	59	1 Russia
Severstal PJSC Depositary Receipt	1121	23 Russia
SF Holding Co Ltd	768	6 China
SG Holdings Co Ltd	820	32 Japan
SGIS Songshan Co Ltd	9380	11 China
Shaan Xi Provincial Natural Gas Co Ltd	1453	2 China
Shaanxi Coal Industry Co Ltd	9837	17 China
Shaanxi International Trust Co Ltd	12897	14 China
Shandong Buchang Pharmaceuticals Co Ltd	210	1 China
Shandong Chenming Paper Holdings Ltd	7547	10 China
Shandong Denghai Seeds Co Ltd	1809	2 China
Shandong Gold Mining Co Ltd	1161	7 China
Shandong Hi-speed Co Ltd	5238	5 China
Shandong Himile Mechanical Science & Technology Co Ltd	1045	4 China
Shandong Hualu Hengsheng Chemical Co Ltd	5830	18 China
Shandong Humon Smelting Co Ltd	1190	2 China
Shandong Iron and Steel Co Ltd	33760	13 China
Shandong Linglong Tyre Co Ltd	2815	10 China
Shandong Nanshan Aluminum Co Ltd	2254	1 China
Shandong Publishing & Media Co Ltd	2182	4 China
Shandong Sun Paper Industry JSC Ltd	9515	14 China
Shandong Xinchao Energy Corp Ltd	16530	8 China
Shanghai 2345 Network Holding Group Co Ltd	16005	19 China
Shanghai Aerospace Automobile Electromechanical Co Ltd	5161	7 China
Shanghai AJ Group Co Ltd	5002	12 China
Shanghai Bailian Group Co Ltd	4577	9 China
Shanghai Baosight Software Co Ltd	721	5 China
Shanghai Belling Co Ltd	2877	9 China
Shanghai Chinafortune Co Ltd	1386	4 China
Shanghai Chlor-Alkali Chemical Co Ltd	1156	2 China
Shanghai Commercial & Savings Bank Ltd/The	16084	34 Taiwan
Shanghai Construction Group Co Ltd	2502	2 China
Shanghai Daimay Automotive Interior Co Ltd	215	1 China
Shanghai East China Computer Co Ltd	550	3 China
Shanghai Electric Group Co Ltd	6303	7 China
Shanghai Electric Power Co Ltd	6471	12 China
Shanghai Environment Group Co Ltd	2296	7 China
Shanghai Flyco Electrical Appliance Co Ltd	370	3 China
Shanghai Fosun Pharmaceutical Group Co Ltd	778	5 China
Shanghai Haixin Group Co	965	2 China
Shanghai Huayi Group Co Ltd	3946	7 China
Shanghai Industrial Development Co Ltd	4331	8 China
Shanghai International Airport Co Ltd	1061	13 China

Shanghai International Port Group Co Ltd	12782	18 China
Shanghai Jahwa United Co Ltd	1784	11 China
Shanghai Jinjiang International Hotels Development Co Ltd	1229	7 China
Shanghai Jinqiao Export Processing Zone Development Co Ltd	2054	6 China
Shanghai Lingang Holdings Corp Ltd	1700	10 China
Shanghai Lujiazui Finance & Trade Zone Development Co Ltd	1625	6 China
Shanghai M&G Stationery Inc	2017	15 China
Shanghai Maling Aquarius Co Ltd	3374	6 China
Shanghai Mechanical and Electrical Industry Co Ltd	2295	8 China
Shanghai Oriental Pearl Group Co Ltd	1231	3 China
Shanghai Pharmaceuticals Holding Co Ltd A	551	2 China
Shanghai Pharmaceuticals Holding Co Ltd H	462	1 China
Shanghai Pudong Development Bank Co Ltd	10723	24 China
Shanghai Putailai New Energy Technology Co Ltd	335	4 China
Shanghai Shimao Co Ltd	10675	11 China
Shanghai Shyndec Pharmaceutical Co Ltd	1402	3 China
Shanghai SMI Holding Co Ltd	7368	12 China
Shanghai Tunnel Engineering Co Ltd	10306	15 China
Shanghai Waigaoqiao Free Trade Zone Group Co Ltd	2653	9 China
Shanghai Wanye Enterprises Co Ltd	1053	3 China
Shanghai Yuyuan Tourist Mart Co Ltd	6152	12 China
Shanghai Zhangjiang High-Tech Park Development Co Ltd	4430	20 China
Shanghai Zhenhua Heavy Industries Co Ltd	4341	4 China
Shantou Dongfeng Printing Co Ltd	1211	3 China
Shanxi Blue Flame Holding Co Ltd	1138	3 China
Shanxi Lu'an Environmental Energy Development Co Ltd	2766	4 China
Shanxi Meijin Energy Co Ltd	9335	17 China
Shanxi Securities Co Ltd	10827	21 China
Shanxi Xinghuacun Fen Wine Factory Co Ltd	920	11 China
Shanxi Xishan Coal & Electricity Power Co Ltd	1195	1 China
Shanxi Zhangze Electric Power Co Ltd	4021	2 China
Shanying International Holding Co Ltd	22418	18 China
Sharp Corp/Japan	193	3 Japan
Shede Spirits Co Ltd	441	3 China
Shenergy Co Ltd	14929	17 China
Shenghe Resources Holding Co Ltd	6394	15 China
Shengyi Technology Co Ltd	5442	14 China
Shennan Circuits Co Ltd	432	11 China
Shenwan Hongyuan Group Co Ltd	16349	18 China
Shenwu Environmental Technology Co Ltd	3115	3 China
Shenzhen Agricultural Products Group Co Ltd	3806	5 China
Shenzhen Airport Co Ltd	6651	13 China
Shenzhen Aisidi Co Ltd	1911	2 China
Shenzhen Centralcon Investment Holding Co Ltd	869	2 China
Shenzhen Clou Electronics Co Ltd	1840	2 China
Shenzhen Desay Battery Technology Co	633	4 China
Shenzhen Energy Group Co Ltd	8140	11 China
Shenzhen Everwin Precision Technology Co Ltd	2806	7 China
Shenzhen Expressway Co Ltd A	1124	2 China
Shenzhen Expressway Co Ltd H	972	2 China
Shenzhen Fenda Technology Co Ltd	4493	5 China
Shenzhen Gas Corp Ltd	3260	4 China
Shenzhen Goodix Technology Co Ltd	114	2 China
Shenzhen Grandland Group Co Ltd	4347	5 China
Shenzhen Hepalink Pharmaceutical Group Co Ltd	2955	15 China
Shenzhen Hifuture Information Technology Co Ltd	1072	2 China
Shenzhen Huaqiang Industry Co Ltd	1512	7 China
Shenzhen International Holdings Ltd	551	2 China
Shenzhen Jinjia Group Co Ltd	5491	15 China
Shenzhen Kaifa Technology Co Ltd	3781	7 China
Shenzhen Kingdom Sci-Tech Co Ltd	577	3 China
Shenzhen Kinwong Electronic Co Ltd	533	7 China
Shenzhen MTC Co Ltd	5916	4 China
Shenzhen Neptunus Bioengineering Co Ltd	9713	9 China
Shenzhen New Nanshan Holding Group Co Ltd	2949	2 China
Shenzhen Overseas Chinese Town Co Ltd	4816	7 China
Shenzhen Salubris Pharmaceuticals Co Ltd	650	4 China
Shenzhen Sunlord Electronics Co Ltd	1067	4 China
Shenzhen Suntak Circuit Technology Co Ltd	1423	5 China
Shenzhen Tagen Group Co Ltd	4785	7 China
Shenzhen Tat Fook Technology Co Ltd	1973	6 China
Shenzhen Techand Ecology & Environment Co Ltd	7030	6 China
Shenzhen Tellus Holding Co Ltd	418	3 China
Shenzhen Wongtee International Enterprise Co Ltd	1218	1 China
Shenzhen World Union Properties Consultancy Inc	7679	9 China
Shenzhen Yan Tian Port Holding Co Ltd	2538	3 China
Shenzhen YUTO Packaging Technology Co Ltd	858	10 China
Shenzhen Zhenye Group Co Ltd	4857	7 China
Shenzhen Zhongjin Lingnan Nonfemet Co Ltd	12859	13 China
Sherwin-Williams Co/The	275	158 United States
Shijiazhuang Changshan BeiMing Technology Co Ltd	5507	7 China
Shijiazhuang Yiling Pharmaceutical Co Ltd	3915	10 China
Shikoku Electric Power Co Inc	426	7 Japan
Shimadzu Corp	707	27 Japan
Shimano Inc	158	34 Japan
Shimizu Corp	2681	31 Japan
Shin Kong Financial Holding Co Ltd	71580	28 Taiwan

Shin-Etsu Chemical Co Ltd	1246	140 Japan
Shinhan Financial Group Co Ltd	662	33 South Korea
Shinhan Financial Group Co Ltd Depository Receipt	47	2 South Korea
Shinsegae Inc	3	1 South Korea
Shinsei Bank Ltd	1246	24 Japan
Shionogi & Co Ltd	1150	95 Japan
Shiseido Co Ltd	1347	130 Japan
Shizuoka Bank Ltd/The	1420	14 Japan
Shoprite Holdings Ltd	2085	31 South Africa
Shougang Fushan Resources Group Ltd	5338	2 China
Showa Denko KK	422	20 Japan
Shriram Transport Finance Co Ltd	42	1 India
Shufersal Ltd	137	1 Israel
Shui On Land Ltd	7742	3 China
Shunfa Hengye Corp	2967	2 China
Shutterstock Inc	229	14 United States
Siam Cement PCL/The	617	13 Thailand
Siam Cement PCL/The Depository Receipt	1765	36 Thailand
Siam City Cement PCL	205	2 Thailand
Siam Commercial Bank PCL/The	4164	23 Thailand
Siam Commercial Bank PCL/The Depository Receipt	3625	20 Thailand
Siam Global House PCL	1392	1 Thailand
Siam Global House PCL Depository Receipt	4504	3 Thailand
Sichuan Changhong Electric Co Ltd	18982	13 China
Sichuan Chuantou Energy Co Ltd	1494	3 China
Sichuan Expressway Co Ltd	2261	2 China
Sichuan Hebang Biotechnology Co Ltd	32682	13 China
Sichuan Kelun Pharmaceutical Co Ltd	1348	8 China
Sichuan Languang Development Co Ltd	10016	15 China
Sichuan Road & Bridge Co Ltd	13675	10 China
Sichuan Shuangma Cement Co Ltd	998	4 China
Sichuan Swellfun Co Ltd	2396	21 China
Sichuan Yahua Industrial Group Co Ltd	1255	2 China
Siemens AG	269	39 Germany
Sieyuan Electric Co Ltd	2345	6 China
Signature Bank/New York NY	39	7 United States
Signet Jewelers Ltd	622	23 United States
Signify NV	683	24 Netherlands
Sika AG	654	122 Switzerland
Silergy Corp	154	3 Taiwan
Silicon Laboratories Inc	36	4 United States
Silicon Motion Technology Corp Depository Receipt	96	5 Taiwan
SillaJen Inc	17	1 South Korea
Sime Darby Bhd	10018	7 Malaysia
Sime Darby Plantation Bhd	9140	15 Malaysia
Sime Darby Property Bhd	11442	4 Malaysia
Simon Property Group Inc	1153	281 United States
Simplo Technology Co Ltd	447	5 Taiwan
Sinbon Electronics Co Ltd	289	1 Taiwan
Sinclair Broadcast Group Inc	530	27 United States
Singapore Exchange Ltd	1757	13 Singapore
Singapore Telecommunications Ltd	9311	28 Singapore
Sino Biopharmaceutical Ltd	12267	15 China
Sino Land Co Ltd	6418	17 Hong Kong
Sino-American Silicon Products Inc	797	2 Taiwan
Sino-Ocean Group Holding Ltd	4028	2 China
Sinochem International Corp	6810	11 China
Sinoma International Engineering Co	6427	10 China
Sinoma Science & Technology Co Ltd	1293	4 China
Sinomach Automobile Co Ltd	2117	3 China
SinoPac Financial Holdings Co Ltd	74034	37 Taiwan
Sinopec Shanghai Petrochemical Co Ltd A	5015	5 China
Sinopec Shanghai Petrochemical Co Ltd H	6339	4 China
Sinotrans Ltd A	2699	3 China
Sinotrans Ltd H	7611	9 China
SITE Centers Corp	157	3 United States
Sitronix Technology Corp	254	2 Taiwan
Six Flags Entertainment Corp	505	33 United States
SK Holdings Co Ltd	9	3 South Korea
SK Hynix Inc	633	55 South Korea
SK Innovation Co Ltd	29	6 South Korea
SK Materials Co Ltd	6	1 South Korea
SK Telecom Co Ltd	124	37 South Korea
Skandinaviska Enskilda Banken AB	2673	31 Sweden
SKF AB	1355	30 Sweden
Skyfame Realty Holdings Ltd	7391	1 China
Skylark Holdings Co Ltd	154	3 Japan
SL Green Realty Corp	346	42 United States
Sleep Number Corp	34	2 United States
SLM Corp	116	2 United States
SM Energy Co	343	8 United States
SM Investments Corp	2078	49 Philippines
SM Prime Holdings Inc	59345	60 Philippines
Smartsheet Inc	464	25 United States
SMC Corp/Japan	213	107 Japan
Smurfit Kappa Group PLC	363	14 Ireland
Snam SpA	911	6 Italy

Sociedad Quimica y Minera de Chile SA Depository Receipt	169	9 Chile
Sociedad Quimica y Minera de Chile SA Preference	34	2 Chile
Societe BIC SA	120	14 France
Societe Generale SA	336	13 France
Soda Sanayii AS	1638	3 Turkey
Sodick Co Ltd	725	8 Japan
Sofina SA	26	7 Belgium
Softbank Corp	686	10 Japan
SoftBank Group Corp	7000	908 Japan
Software AG	161	7 Germany
Sohgo Security Services Co Ltd	216	13 Japan
SOHO China Ltd	7491	4 China
Sojitz Corp	5380	25 Japan
Solvay SA	96	14 Belgium
Sompo Holdings Inc	1190	59 Japan
Sonae SGPS SA	2016	3 Portugal
Sony Corp	2162	121 Japan
Sony Financial Holdings Inc	293	7 Japan
SooChow Securities Co Ltd	1768	4 China
Sotetsu Holdings Inc	318	13 Japan
Sotheby's	550	28 United States
Sou Yu Te Group Co Ltd	7658	5 China
Southern Co/The	3210	222 United States
Southern Copper Corp	24	1 Peru
Southern Publishing & Media Co Ltd	819	2 China
Southwest Airlines Co	617	43 United States
Southwest Securities Co Ltd	1751	2 China
Southwestern Energy Co	1876	12 United States
SP Setia Bhd Group	5676	4 Malaysia
SPAR Group Ltd/The	868	15 South Africa
SpareBank 1 SR-Bank ASA	234	4 Norway
Spirax-Sarco Engineering PLC	22	3 United Kingdom
Spirit AeroSystems Holdings Inc	98	12 United States
Spotify Technology SA	160	30 Sweden
Spring Airlines Co Ltd	978	8 China
Sprint Corp	840	6 United States
Square Inc	15	2 United States
Srisawad Corp PCL Depository Receipt	2340	5 Thailand
SSAB AB A	2452	12 Sweden
SSAB AB B	954	4 Sweden
Ssanyong Cement Industrial Co Ltd	306	2 South Korea
SSP Group Plc	753	9 United Kingdom
St James's Place PLC	727	13 United Kingdom
St Shine Optical Co Ltd	83	2 Taiwan
Standard Bank Group Ltd	6916	119 South Africa
Standard Foods Corp	1865	4 Taiwan
Standard Life Aberdeen PLC	8742	40 United Kingdom
Stanley Agricultural Group Co Ltd	2973	3 China
Stanley Electric Co Ltd	467	17 Japan
Star Petroleum Refining PCL Depository Receipt	5807	3 Thailand
State Bank of India	504	3 India
State Street Corp	439	39 United States
Steel Dynamics Inc	427	20 United States
STERIS PLC	39	7 United States
STO Express Co Ltd	1185	5 China
Stora Enso OYJ	2547	42 Finland
Storebrand ASA	843	9 Norway
Stryker Corp	431	114 United States
Sturm Ruger & Co Inc	220	16 United States
Subaru Corp	452	14 Japan
Suez	400	7 France
Sugi Holdings Co Ltd	80	5 Japan
SUMCO Corp	835	12 Japan
Sumitomo Chemical Co Ltd	8567	53 Japan
Sumitomo Corp	4899	91 Japan
Sumitomo Dainippon Pharma Co Ltd	676	22 Japan
Sumitomo Electric Industries Ltd	1697	30 Japan
Sumitomo Heavy Industries Ltd	438	19 Japan
Sumitomo Metal Mining Co Ltd	790	31 Japan
Sumitomo Mitsui Construction Co Ltd	538	5 Japan
Sumitomo Mitsui Financial Group Inc	3581	168 Japan
Sumitomo Mitsui Trust Holdings Inc	959	46 Japan
Sumitomo Realty & Development Co Ltd	1399	77 Japan
Sumitomo Rubber Industries Ltd	670	11 Japan
Sun Art Retail Group Ltd	1844	2 China
Sun Hung Kai Properties Ltd	3068	70 Hong Kong
Sun Pharmaceutical Industries Ltd	237	2 India
Sunac China Holdings Ltd	4149	28 China
Sundrug Co Ltd	314	12 Japan
Sunflower Pharmaceutical Group Co Ltd	763	3 China
Sungrow Power Supply Co Ltd	5223	11 China
Suning Universal Co Ltd	9868	8 China
Suning.com Co Ltd	5981	15 China
Sunrise Communications Group AG	2254	222 Switzerland
Sunstone Hotel Investors Inc	65	1 United States
Suntec Real Estate Investment Trust	5015	10 Singapore
Suntory Beverage & Food Ltd	408	26 Japan

SunTrust Banks Inc	544	43 United States
Sunway Bhd	4647	3 Malaysia
Sunway Real Estate Investment Trust	2892	2 Malaysia
Superior Energy Services Inc	387	2 United States
Surgutneftegas PJSC	2016	1 Russia
Surgutneftegas PJSC Depository Receipt	1941	10 Russia
Surgutneftegas PJSC Depository Receipt - Preference	1448	12 Russia
Surgutneftegas PJSC Preference	1955	2 Russia
Suruga Bank Ltd	684	4 Japan
Surya Citra Media Tbk PT	29868	5 Indonesia
Suzhou Anjie Technology Co Ltd	2099	6 China
Suzhou Dongshan Precision Manufacturing Co Ltd	4955	19 China
Suzhou Gold Mantis Construction Decoration Co Ltd	702	2 China
Suzhou Victory Precision Manufacture Co Ltd	12302	9 China
Suzuken Co Ltd/Aichi Japan	317	24 Japan
Suzuki Motor Corp	761	45 Japan
SVB Financial Group	74	22 United States
Svenska Cellulosa AB SCA	2644	31 Sweden
Svenska Handelsbanken AB	2949	42 Sweden
Swedbank AB	2379	45 Sweden
Swedish Match AB	838	57 Sweden
Swedish Orphan Biovitrum AB	340	11 Sweden
Swire Pacific Ltd A	1180	20 Hong Kong
Swire Pacific Ltd B	2260	6 Hong Kong
Swire Properties Ltd	2775	16 Hong Kong
Swiss Re AG	769	100 Switzerland
Symrise AG	3910	471 Germany
Synchrony Financial	863	37 United States
Synnex Technology International Corp	7503	12 Taiwan
Synopsys Inc	78	12 United States
Synovus Financial Corp	37	2 United States
Sysco Corp	1311	117 United States
Sysmex Corp	539	44 Japan
T Rowe Price Group Inc	329	44 United States
T&D Holdings Inc	1492	21 Japan
T-Mobile US Inc	927	86 United States
TA Chen Stainless Pipe	3752	7 Taiwan
Tadano Ltd	176	2 Japan
TAG Immobilien AG	647	21 Germany
Tahoe Group Co Ltd	3511	13 China
Taichung Commercial Bank Co Ltd	4238	2 Taiwan
Taihai Manoir Nuclear Equipment Co Ltd	2674	7 China
Taiheiyu Cement Corp	533	24 Japan
Taijii Computer Corp Ltd	1281	10 China
TaiMed Biologics Inc	918	7 Taiwan
Tainan Spinning Co Ltd	2445	1 Taiwan
Taisei Corp	821	51 Japan
Taishin Financial Holding Co Ltd	72442	44 Taiwan
Taisho Pharmaceutical Holdings Co Ltd	101	13 Japan
Taiwan Business Bank	22244	12 Taiwan
Taiwan Cement Corp	29432	53 Taiwan
Taiwan Cooperative Financial Holding Co Ltd	61329	52 Taiwan
Taiwan Fertilizer Co Ltd	1570	3 Taiwan
Taiwan Glass Industry Corp	1741	1 Taiwan
Taiwan High Speed Rail Corp	12347	19 Taiwan
Taiwan Mobile Co Ltd	10120	49 Taiwan
Taiwan Paiho Ltd	360	1 Taiwan
Taiwan Secom Co Ltd	458	2 Taiwan
Taiwan Semiconductor Manufacturing Co Ltd	179370	1,909 Taiwan
Taiwan Styrene Monomer	2024	2 Taiwan
Taiyo Nippon Sanso Corp	213	4 Japan
Taiyuan Heavy Industry Co Ltd	9225	6 China
Takashimaya Co Ltd	446	8 Japan
Takeda Pharmaceutical Co Ltd	3393	185 Japan
Takeda Pharmaceutical Co Ltd Depository Receipt	71	2 Japan
Tangshan Jidong Cement Co Ltd	5507	19 China
TangShan Port Group Co Ltd	19342	12 China
Tangshan Sanyou Chemical Industries Co Ltd	7789	11 China
Target Corp	136	15 United States
Taro Pharmaceutical Industries Ltd	24	3 Israel
Tasly Pharmaceutical Group Co Ltd	423	2 China
Tata Consultancy Services Ltd	330	13 India
Tata Motors Ltd	448	2 India
Tate & Lyle PLC	1044	13 United Kingdom
Tatneft PJSC	430	7 Russia
Tatneft PJSC Depository Receipt	1928	178 Russia
Tatung Co Ltd	9786	10 Taiwan
Tatwah Smartech Co Ltd	3378	4 China
Taubman Centers Inc	73	5 United States
TAV Havalimanlari Holding AS	902	5 Turkey
TCI Co Ltd	410	7 Taiwan
TD Ameritrade Holding Corp	486	32 United States
TDK Corp	261	27 Japan
Tech Data Corp	59	8 United States
Tech Mahindra Ltd	856	13 India
Teco Electric and Machinery Co Ltd	2363	2 Taiwan
TEGNA Inc	98	2 United States

Teijin Ltd	1651	36 Japan
Tekfen Holding AS	809	4 Turkey
Telecom Italia SpA/Milano	484762	403 Italy
Teledyne Technologies Inc	86	27 United States
Telefonaktiebolaget LM Ericsson	2802	34 Sweden
Telefonica SA	97	1 Spain
Telekom Austria AG	410	4 Austria
Telekom Malaysia Bhd	5756	6 Malaysia
Telekomunikasi Indonesia Persero Tbk PT	227028	84 Indonesia
Telia Co AB	4867	29 Sweden
Telkom SA SOC Ltd	852	6 South Africa
Telling Telecommunication Holding Co Ltd	3352	4 China
Tenaga Nasional Bhd	11254	47 Malaysia
Tencent Holdings Ltd	44238	2,718 China
Tenneco Inc	45	1 United States
Teradata Corp	1020	60 United States
Teradyne Inc	494	26 United States
Terex Corp	509	22 United States
Terna Rete Elettrica Nazionale SpA	1197	10 Italy
Terumo Corp	2002	82 Japan
Teva Pharmaceutical Industries Ltd	1380	29 Israel
Texas Capital Bancshares Inc	69	5 United States
Texas Roadhouse Inc	22	2 United States
Textron Inc	18	1 United States
TGS NOPEC Geophysical Co ASA	582	21 Norway
Thai Beverage PCL	40861	34 Thailand
Thai Oil PCL	2535	7 Thailand
Thai Oil PCL Depository Receipt	3261	10 Thailand
Thai Union Group PCL	4765	4 Thailand
Thai Union Group PCL Depository Receipt	5433	4 Thailand
Thanachart Capital PCL Depository Receipt	1990	5 Thailand
Thermo Fisher Scientific Inc	616	225 United States
THK Co Ltd	368	12 Japan
Thor Industries Inc	44	4 United States
Tian Di Science & Technology Co Ltd	11781	9 China
TianGuang ZhongMao Co Ltd	7687	4 China
Tianjin 712 Communication & Broadcasting Co Ltd	516	2 China
Tianjin Capital Environmental Protection Group Co Ltd	3090	6 China
Tianjin Chase Sun Pharmaceutical Co Ltd	9286	7 China
Tianjin Guangyu Development Co Ltd	3342	6 China
Tianjin Port Co Ltd	4857	9 China
Tianjin Zhonghuan Semiconductor Co Ltd	8590	17 China
Tianjin ZhongXin Pharmaceutical Group Corp Ltd	1854	6 China
Tianma Microelectronics Co Ltd	1774	5 China
Tianshui Huatian Technology Co Ltd	2785	3 China
Tibet Cheezheng Tibetan Medicine Co Ltd	177	1 China
Tibet Huayu Mining Co Ltd	811	2 China
Tibet Summit Resources Co Ltd	1223	6 China
Tibet Urban Development and Investment Co Ltd	2528	4 China
Tiffany & Co	37	5 United States
Tiger Brands Ltd	892	22 South Africa
TIM Participacoes SA Depository Receipt	18803	379 Brazil
Times China Holdings Ltd	1805	5 China
Tingyi Cayman Islands Holding Corp	725	2 China
Tipco Asphalt PCL Depository Receipt	1700	1 Thailand
TIS Inc	30	2 Japan
Tisco Financial Group PCL	279	1 Thailand
Tisco Financial Group PCL Depository Receipt	1496	6 Thailand
Titan Cement Co SA	102	3 Greece
Titan Co Ltd	88	2 India
TMB Bank PCL	33090	3 Thailand
TMB Bank PCL Depository Receipt	59369	5 Thailand
Tobu Railway Co Ltd	782	30 Japan
Tofas Turk Otomobil Fabrikasi AS	259	1 Turkey
Toho Co Ltd/Tokyo	322	17 Japan
Toho Gas Co Ltd	245	15 Japan
Tohoku Electric Power Co Inc	1385	24 Japan
Tokio Marine Holdings Inc	2081	135 Japan
Tokuyama Corp	415	13 Japan
Tokyo Broadcasting System Holdings Inc	313	8 Japan
Tokyo Century Corp	120	7 Japan
Tokyo Electric Power Co Holdings Inc	7533	64 Japan
Tokyo Electron Ltd	556	107 Japan
Tokyo Gas Co Ltd	985	36 Japan
Tokyo Ohka Kogyo Co Ltd	89	3 Japan
Tokyo Tatemono Co Ltd	906	15 Japan
Tokyu Corp	1603	37 Japan
Tokyu Fudosan Holdings Corp	1842	15 Japan
Toll Brothers Inc	540	26 United States
Toly Bread Co Ltd	581	7 China
Tomra Systems ASA	117	5 Norway
TomTom NV	829	9 Netherlands
Tong Yang Industry Co Ltd	627	1 Taiwan
Tongding Interconnection Information Co Ltd	3891	8 China
TongFu Microelectronics Co Ltd	1508	3 China
Tonghua Golden-Horse Pharmaceutical Industry Co Ltd	2484	4 China
Tongkun Group Co Ltd	647	2 China

Tongling Nonferrous Metals Group Co Ltd	8249	4 China
Tongwei Co Ltd	1819	4 China
Top Glove Corp Bhd	6489	10 Malaysia
Topchoice Medical Investment Corp	111	2 China
Topcon Corp	157	2 Japan
Toppan Printing Co Ltd	1269	26 Japan
Toray Industries Inc	3381	29 Japan
Torchmark Corp	88	10 United States
Toshiba Corp	2141	91 Japan
Tosoh Corp	1215	25 Japan
Total Access Communication PCL	824	2 Thailand
Total Access Communication PCL Depository Receipt	2176	5 Thailand
Totalindo Eka Persada Tbk PT	19830	1 Indonesia
TOTO Ltd	375	21 Japan
Tower Bersama Infrastructure Tbk PT	9454	3 Indonesia
Toyo Seikan Group Holdings Ltd	755	21 Japan
Toyo Suisan Kaisha Ltd	374	19 Japan
Toyota Industries Corp	525	35 Japan
Toyota Motor Corp	4343	340 Japan
Toyota Tsusho Corp	336	15 Japan
Tractor Supply Co	265	35 United States
TransDigm Group Inc	18	11 United States
Transfar Zhilian Co Ltd	1845	3 China
Transocean Ltd	1126	13 United States
Travelers Cos Inc/The	112	20 United States
Travelport Worldwide Ltd	349	7 United States
TreeHouse Foods Inc	236	20 United States
Trend Micro Inc/Japan	45	3 Japan
TRI Pointe Group Inc	670	11 United States
Triangle Tyre Co Ltd	871	2 China
Trinseo SA	501	30 United States
Tripod Technology Corp	1171	5 Taiwan
Tronox Holdings PLC	297	5 United States
True Corp PCL	27893	6 Thailand
True Corp PCL Depository Receipt	21362	4 Thailand
Truworths International Ltd	2022	13 South Africa
TS Tech Co Ltd	285	11 Japan
Tsingtao Brewery Co Ltd	2028	17 China
Tsuruha Holdings Inc	41	4 Japan
TTW PCL Depository Receipt	3627	2 Thailand
TTY Biopharm Co Ltd	880	3 Taiwan
TUI AG	7670	98 Germany
Tung Ho Steel Enterprise Corp	1199	1 Taiwan
Tunghsu Azure Renewable Energy Co Ltd	1524	3 China
Tupras Turkiye Petrol Rafinerileri AS	635	19 Turkey
Turk Hava Yollari AO	3300	10 Turkey
Turkcell Iletisim Hizmetleri AS	4822	14 Turkey
Turkiye Garanti Bankasi AS	11598	23 Turkey
Turkiye Halk Bankasi AS	3131	5 Turkey
Turkiye Is Bankasi AS	7587	10 Turkey
Turkiye Sise ve Cam Fabrikalari AS	3524	5 Turkey
Turkiye Vakiflar Bankasi TAO	2390	3 Turkey
TURVO International Co Ltd	326	1 Taiwan
Tus-Sound Environmental Resources Co Ltd	424	1 China
Twitter Inc	201	9 United States
Tyson Foods Inc	811	75 United States
Ube Industries Ltd	574	16 Japan
Ubiquiti Networks Inc	91	18 United States
UBS Group AG	5558	90 Switzerland
UCB SA	526	60 Belgium
UDR Inc	1001	61 United States
UGI Corp	406	30 United States
Ulker Biskuvi Sanayi AS	345	1 Turkey
Ultimate Software Group Inc/The	87	38 United States
Ultra Electronics Holdings PLC	257	7 United Kingdom
UltraTech Cement Ltd	27	2 India
Umicore SA	1118	66 Belgium
Umpqua Holdings Corp	166	4 United States
UMW Holdings Bhd	898	2 Malaysia
Under Armour Inc	75	2 United States
Uni-President Enterprises Corp	33484	109 Taiwan
Unibail-Rodamco-Westfield	66	14 France
Unicharm Corp	1062	47 Japan
UniCredit SpA	120	2 Italy
Unigroup Guoxin Microelectronics Co Ltd	2183	20 China
Unilever Indonesia Tbk PT	6432	30 Indonesia
Unilever NV Depository Receipt	2410	187 Netherlands
Unilever PLC Depository Receipt	86	7 United Kingdom
Unimicron Technology Corp	1865	2 Taiwan
Union Pacific Corp	4055	906 United States
UnipolSai Assicurazioni SpA	436	2 Italy
UNIQA Insurance Group AG	198	3 Austria
Unisplendour Corp Ltd	825	7 China
United Arrows Ltd	105	5 Japan
United Continental Holdings Inc	671	71 United States
United Electronics Co Ltd	2380	3 China
United Microelectronics Corp	75481	38 Taiwan

United Microelectronics Corp Depository Receipt	750	2 Taiwan
United Natural Foods Inc	184	3 United States
United Overseas Bank Ltd	2389	59 Singapore
United Technologies Corp	43	7 United States
United Therapeutics Corp	57	9 United States
United Tractors Tbk PT	8089	21 Indonesia
United Urban Investment Corp	11	24 Japan
United Utilities Group PLC	507	7 United Kingdom
UnitedHealth Group Inc	3666	1,211 United States
Uniti Group Inc	4624	69 United States
Universal Entertainment Corp	63	3 Japan
Universal Health Services Inc	209	37 United States
Universal Robina Corp	4525	18 Philippines
Universal Scientific Industrial Shanghai Co Ltd	5535	17 China
Unum Group	150	7 United States
UOL Group Ltd	1087	7 Singapore
UPL Ltd	101	2 India
UPM-Kymmene OYJ	1592	62 Finland
US Bancorp	1458	94 United States
USS Co Ltd	1341	33 Japan
UTour Group Co Ltd	3099	5 China
Vale Indonesia Tbk PT	5309	2 Indonesia
Valmet OYJ	314	11 Finland
Vanguard Long-Term Corporate Bond ETF	60	7 United States
Varex Imaging Corp	32	1 United States
Varian Medical Systems Inc	320	61 United States
Vatti Corp Ltd	1140	3 China
Vecanbio Cell & Gene Engineering Corp Ltd	1728	7 China
Vedanta Ltd	367	1 India
Veeva Systems Inc	544	92 United States
Ventas Inc	1456	124 United States
Venustech Group Inc	2765	16 China
VEON Ltd Depository Receipt	3621	10 Russia
Veoneer Inc	77	2 United States
Verbund AG	64	4 Austria
VEREIT Inc	1878	21 United States
Verint Systems Inc	48	4 United States
Verizon Communications Inc	6774	535 United States
Vertex Pharmaceuticals Inc	573	141 United States
Vestas Wind Systems A/S	193	22 Denmark
VF Corp	50	6 United States
VGI Global Media PCL Depository Receipt	5770	2 Thailand
Viavi Solutions Inc	310	5 United States
Victrix PLC	283	11 United Kingdom
Vienna Insurance Group AG Wiener Versicherung Gruppe	50	2 Austria
Vinci SA	227	30 France
ViroMed Co Ltd	4	1 South Korea
Viscofan SA	15	1 Spain
Vishay Intertechnology Inc	391	10 United States
Vistra Energy Corp	848	29 United States
Visual China Group Co Ltd	2593	14 China
Vodacom Group Ltd	3278	34 South Africa
Vodafone Qatar QSC	1003	3 Qatar
Voltronic Power Technology Corp	94	2 Taiwan
Volvo AB A	83	2 Sweden
Volvo AB B	4785	99 Sweden
Vonage Holdings Corp	359	5 United States
Vonovia SE	999	69 Germany
Vornado Realty Trust	381	34 United States
Voya Financial Inc	612	41 United States
Vtron Group Co Ltd	2808	3 China
Vulcan Materials Co	118	19 United States
WABCO Holdings Inc	44	8 United States
Wabtec Corp	260	26 United States
Wacom Co Ltd	385	2 Japan
Wal-Mart de Mexico SAB de CV	1478	5 Mexico
Walgreens Boots Alliance Inc	2497	211 United States
Walmart Inc	4535	591 United States
Walsin Lihwa Corp	12225	9 Taiwan
Walsin Technology Corp	1727	15 Taiwan
Walt Disney Co/The	2428	360 United States
Wan Hai Lines Ltd	2072	1 Taiwan
Wanda Film Holding Co Ltd	313	1 China
Wangfujing Group Co Ltd	2201	8 China
Wanhua Chemical Group Co Ltd	780	7 China
Want Want China Holdings Ltd	5589	6 China
Wanxiang Qianchao Co Ltd	8044	11 China
Wartsila OYJ Abp	63	1 Finland
Waskita Karya Persero Tbk PT	13470	3 Indonesia
Wasu Media Holding Co Ltd	3837	9 China
Waterland Financial Holdings Co Ltd	4519	2 Taiwan
Waters Corp	140	47 United States
Watseo Inc	53	10 United States
Webster Financial Corp	32	2 United States
WEC Energy Group Inc	1092	115 United States
Weifu High-Tech Group Co Ltd	3036	14 China
Weight Watchers International Inc	179	5 United States

Weingarten Realty Investors	110	4 United States
Welcia Holdings Co Ltd	150	7 Japan
WellCare Health Plans Inc	117	42 United States
Wells Fargo & Co	3927	254 United States
Welltower Inc	595	62 United States
Wendy's Co/The	101	2 United States
Wereldhave NV	347	13 Netherlands
WESCO International Inc	366	26 United States
West Japan Railway Co	748	75 Japan
Western Alliance Bancorp	72	4 United States
Western Digital Corp	619	40 United States
Western Mining Co Ltd	9799	13 China
Western Region Gold Co Ltd	831	2 China
Western Securities Co Ltd	3134	7 China
Westlake Chemical Corp	329	30 United States
Westone Information Industry Inc	3016	18 China
Westports Holdings Bhd	3471	4 Malaysia
Westrock Co	442	23 United States
WEX Inc	32	8 United States
Weyerhaeuser Co	2563	90 United States
WH Smith PLC	320	12 United Kingdom
WHA Corp PCL Depositary Receipt	16523	3 Thailand
Wharf Holdings Ltd/The	3085	12 Hong Kong
Wharf Real Estate Investment Co Ltd	2212	22 Hong Kong
Wheelock & Co Ltd	2630	26 Hong Kong
Whirlpool Corp	259	46 United States
Whitehaven Coal Ltd	521	2 Australia
Wienerberger AG	342	10 Austria
William Hill PLC	1540	4 United Kingdom
Willis Towers Watson PLC	94	22 United States
Win Semiconductors Corp	2045	19 Taiwan
Winbond Electronics Corp	18337	12 Taiwan
Winning Health Technology Group Co Ltd	5814	17 China
Wintime Energy Co Ltd	3570	2 China
Wintrust Financial Corp	27	2 United States
Wipro Ltd	2296	11 India
WiseTech Global Ltd	47	1 Australia
Wistron Corp	18199	19 Taiwan
Wix.com Ltd	14	2 Israel
Wolong Electric Group Co Ltd	4224	8 China
Wolverine World Wide Inc	686	33 United States
Wonders Information Co Ltd	4521	14 China
Woodward Inc	35	4 United States
Woolworths Holdings Ltd/South Africa	4639	20 South Africa
Woongjin Coway Co Ltd	92	10 South Korea
Woori Financial Group Inc	956	15 South Korea
Worldpay Inc	5685	862 United States
WPG Holdings Ltd	7797	14 Taiwan
WPX Energy Inc	368	6 United States
Wuchan Zhongda Group Co Ltd	4184	5 China
Wuhan Department Store Group Co Ltd	2499	6 China
Wuhan Guide Infrared Co Ltd	1283	7 China
Wuhu Shunrong Sanqi Interactive Entertainment Network Technology Co Ltd	1334	4 China
Wuhu Token Science Co Ltd	9453	11 China
Wuliangye Yibin Co Ltd	5579	105 China
WUS Printed Circuit Kunshan Co Ltd	6186	14 China
WuXi AppTec Co Ltd	132	2 China
Wuxi Lead Intelligent Equipment Co Ltd	2266	17 China
Wuxi Little Swan Co Ltd	1427	16 China
Wuxi Rural Commercial Bank Co Ltd	4750	6 China
Wuxi Taiji Industry Co Ltd	2752	4 China
WW Grainger Inc	84	34 United States
Wyndham Destinations Inc	420	23 United States
X5 Retail Group NV Depositary Receipt	682	23 Russia
Xcel Energy Inc	1787	134 United States
XCMG Construction Machinery Co Ltd	1734	2 China
Xi'An Shaangu Power Co Ltd	2141	3 China
Xiamen C & D Inc	830	1 China
Xiamen Faratronic Co Ltd	825	8 China
Xiamen Intretech Inc	233	3 China
Xiamen ITG Group Corp Ltd	6535	12 China
Xiamen Tungsten Co Ltd	488	1 China
Xiamen Xiangyu Co Ltd	2819	3 China
Xian International Medical Investment Co Ltd	2576	3 China
Xiangtan Electric Manufacturing Co Ltd	3403	5 China
Xiaomi Corp	970	2 China
Xilinx Inc	4687	794 United States
Xin Jiang Ready Health Industry Co Ltd	1881	2 China
Xinfengming Group Co Ltd	1362	4 China
Xingyuan Environment Technology Co Ltd	4825	4 China
Xinhu Zhongbao Co Ltd	2999	2 China
Xinhua Winshare Publishing and Media Co Ltd	1017	3 China
Xinhuanet Co Ltd	1370	7 China
Xinjiang Machinery Research Institute Co Ltd	4596	6 China
Xinjiang Tianshan Cement Co Ltd	3234	8 China
Xinjiang Zhongtai Chemical Co Ltd	8971	16 China
Xinxing Ductile Iron Pipes Co Ltd	15004	15 China

Xinyu Iron & Steel Co Ltd	10723	13 China
Xishui Strong Year Co Ltd Inner Mongolia	3462	10 China
XL Axiata Tbk PT	10691	3 Indonesia
XPO Logistics Inc	617	44 United States
Xuanhua Construction Machinery Co Ltd	569	2 China
Xuji Electric Co Ltd	3110	7 China
Yageo Corp	2143	30 Taiwan
Yakult Honsha Co Ltd	588	55 Japan
Yamada Denki Co Ltd	1930	13 Japan
Yamaguchi Financial Group Inc	1023	12 Japan
Yamaha Corp	219	15 Japan
Yamaha Motor Co Ltd	929	24 Japan
Yamato Holdings Co Ltd	1167	40 Japan
Yamazaki Baking Co Ltd	522	11 Japan
Yandex NV	1095	50 Russia
Yang Quan Coal Industry Group Co Ltd	7850	10 China
Yango Group Co Ltd	3987	7 China
Yangtze Optical Fibre and Cable Joint Stock Ltd Co	418	4 China
Yantai Changyu Pioneer Wine Co Ltd	474	3 China
Yantai Jereh Oilfield Services Group Co Ltd	3109	15 China
Yantai Tayho Advanced Materials Co Ltd	2198	5 China
Yanzhou Coal Mining Co Ltd	1144	2 China
Yaskawa Electric Corp	623	26 Japan
Yes Bank Ltd	483	3 India
YiChang HEC ChangJiang Pharmaceutical Co Ltd	380	2 China
Yifan Pharmaceutical Co Ltd	4537	12 China
Yifeng Pharmacy Chain Co Ltd	494	6 China
Yihua Healthcare Co Ltd	819	2 China
Yihua Lifestyle Technology Co Ltd	6098	6 China
Yingkou Port Liability Co Ltd	3017	2 China
Yintai Resources Co Ltd	6439	14 China
Yinyi Co Ltd	1600	1 China
Yokogawa Electric Corp	827	23 Japan
Yokohama Rubber Co Ltd/The	620	15 Japan
Yonghui Superstores Co Ltd	6047	10 China
Yonyou Network Technology Co Ltd	600	4 China
Yotrio Group Co Ltd	5592	4 China
Young Poong Corp	2	2 South Korea
Youngor Group Co Ltd	1107	2 China
Youzu Interactive Co Ltd	3337	16 China
YTL Corp Bhd	17331	6 Malaysia
YTL Power International Bhd	5927	2 Malaysia
YTO Express Group Co Ltd	1164	3 China
Yuan Longping High-tech Agriculture Co Ltd	5428	18 China
Yuanta Financial Holding Co Ltd	79386	60 Taiwan
Yuexiu Property Co Ltd	7895	3 China
Yum! Brands Inc	184	24 United States
Yunda Holding Co Ltd	596	5 China
Yunnan Aluminium Co Ltd	9578	9 China
Yunnan Baiyao Group Co Ltd	509	9 China
Yunnan Chihong Zinc&Germanium Co Ltd	4432	5 China
Yunnan Copper Co Ltd	4552	9 China
Yunnan Energy New Material Co Ltd	555	7 China
Yunnan Hongxiang Yixintang Pharmaceutical Co Ltd	742	4 China
Yunnan Tin Co Ltd	6271	15 China
Zall Smart Commerce Group Ltd	2653	1 China
Zangge Holding Co Ltd	1042	2 China
Zayo Group Holdings Inc	7565	287 United States
Zebra Technologies Corp	78	22 United States
Zee Entertainment Enterprises Ltd	7554	65 India
Zenkoku Hosho Co Ltd	168	8 Japan
Zensho Holdings Co Ltd	259	8 Japan
Zeon Corp	1240	17 Japan
Zhangzhou Pientzhuang Pharmaceutical Co Ltd	307	7 China
Zhefu Holding Group Co Ltd	8137	8 China
Zhejiang China Commodities City Group Co Ltd	2139	2 China
Zhejiang Chint Electrics Co Ltd	689	4 China
Zhejiang Conba Pharmaceutical Co Ltd	10080	20 China
Zhejiang Crystal-Optech Co Ltd	3895	11 China
Zhejiang Dahua Technology Co Ltd	749	2 China
Zhejiang Daily Digital Culture Group Co Ltd	4199	9 China
Zhejiang Dingli Machinery Co Ltd	71	1 China
Zhejiang Hailiang Co Ltd	1617	3 China
Zhejiang Hisoar Pharmaceutical Co Ltd	2119	3 China
Zhejiang Hisun Pharmaceutical Co Ltd	3559	8 China
Zhejiang Huace Film & TV Co Ltd	3648	6 China
Zhejiang Huafeng Spandex Co Ltd	6033	6 China
Zhejiang Huayou Cobalt Co Ltd	652	5 China
Zhejiang Jiahua Energy Chemical Industry Co Ltd	1940	5 China
Zhejiang Jingsheng Mechanical & Electrical Co Ltd	3302	9 China
Zhejiang Jinke Culture Industry Co Ltd	4053	7 China
Zhejiang Juhua Co Ltd	8959	15 China
Zhejiang Kaishan Compressor Co Ltd	1764	5 China
Zhejiang Medicine Co Ltd	4047	9 China
Zhejiang NetSun Co Ltd	330	2 China
Zhejiang NHU Co Ltd	2111	8 China
Zhejiang Orient Financial Holdings Group Co Ltd	2861	10 China

Zhejiang Runtu Co Ltd	4198	12 China
Zhejiang Sanhua Intelligent Controls Co Ltd	2068	6 China
Zhejiang Satellite Petrochemical Co Ltd	1112	3 China
Zhejiang Semir Garment Co Ltd	3833	9 China
Zhejiang Supor Co Ltd	634	9 China
Zhejiang Wanliyang Co Ltd	3819	6 China
Zhejiang Wanma Co Ltd	3726	5 China
Zhejiang Weiming Environment Protection Co Ltd	1031	5 China
Zhejiang Weixing New Building Materials Co Ltd	4248	17 China
Zhejiang Xianju Pharmaceutical Co Ltd	3297	6 China
Zhejiang Yasha Decoration Co Ltd	3444	5 China
Zhejiang Zheneng Electric Power Co Ltd	7573	7 China
Zhen Ding Technology Holding Ltd	3581	15 Taiwan
Zhengzhou Coal Mining Machinery Group Co Ltd	5493	7 China
Zhengzhou Yutong Bus Co Ltd	59096	158 China
Zheshang Securities Co Ltd	1847	4 China
Zhongji Innolight Co Ltd	489	5 China
Zhongjin Gold Corp Ltd	1043	2 China
Zhongshan Broad Ocean Motor Co Ltd	7699	8 China
Zhongshan Public Utilities Group Co Ltd	5416	9 China
Zhuzhou CRRC Times Electric Co Ltd	179	1 China
Zhuzhou Kibing Group Co Ltd	3517	3 China
Zhuzhou Times New Material Technology Co Ltd	2063	4 China
Zibo Qixiang Tengda Chemical Co Ltd	4832	8 China
Zijin Mining Group Co Ltd A	1515	1 China
Zijin Mining Group Co Ltd H	3709	2 China
Zimmer Biomet Holdings Inc	241	41 United States
Zoetis Inc	644	87 United States
Zoomlion Heavy Industry Science and Technology Co Ltd	8235	5 China
Zotye Automobile Co Ltd	6411	7 China
ZTE Corp	342	2 China
ZTO Express Cayman Inc Depositary Receipt	514	13 China
Zurich Insurance Group AG	242	107 Switzerland
Total Equity Exposure		

145,362