



**ACT**  
Government

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Chief Minister, Treasury and  
Economic Development

# Australian Capital Territory Directly- Owned Shares as at 30 June 2019

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## Australian Capital Territory Directly-Owned Shares as at 30 June 2019

1ST CAP REALTY INC	AIB GROUP PLC
1ST QUANTUM MINLS	AIR LIQUIDE
3I GROUP ORD	AIR PROD & CHEM INC
3M CO	AIR WATER INC
5TH 3RD BANCORP	AIRBUS SE
A.P. MOLLER-MAERSK	AISIN SEIKI CO
A2 MILK CO LTD	AJINOMOTO CO INC
ABACUS PROPERTY GR	AKAMAI TECHNOLOGIES INC
ABB LTD	AKER BP ASA
ABBOTT LAB	AKZO NOBEL NV
ABBVIE INC	ALACER GOLD CORP CDI
ABC-MART INC	ALBEMARLE CORP
ABIOMED INC	ALCON INC
ABN AMRO BANK	ALEXANDRIA REAL ESTATE EQUITIES INC
ACCENT GROUP LTD	ALEXION PHARMACEUTICALS INC
ACCENTURE PLC	ALFA LAVAL AB
ACCOR	ALFRESA HOLDINGS
ACOM CO	ALIGN TECHNOLOGY INC
ACS ACTIVIDADES CO	ALIMENTATION COUCHE
ACTIVISION BLIZZARD INC	ALKERMES PLC
ACUITY BRANDS INC	ALLEGHANY CORP DEL
ADECCO GROUP AG	ALLEGION PLC
ADELAIDE BRIGHTON	ALLERGAN PLC
ADIDAS AG	ALLIANCE AVIATION
ADMIRAL GROUP	ALLIANCE DATA SYS CORP
ADOBE SYS INC	ALLIANZ SE
ADR BEIGENE LTD	ALLSTATE CORP
ADR TEVA PHARMACEUTICAL INDS	ALLY FINL INC
ADVANCE AUTO PTS INC	ALNYLAM PHARMACEUTICALS INC
ADVANCED MICRO DEVICES INC	ALPHABET INC
ADVANTEST CORP	ALPS ALPINE CO LTD
ADYEN NV	ALS LIMITED
AEGON NV	ALSTOM
AENA SME S.A.	ALTAGAS INE LTD
AEON CO LTD	ALTICE USA INC
AEON FINANCIAL SERVICE CO LTD	ALTIUM
AEON MALL CO LTD	ALUMINA LTD
AERCAP HOLDINGS	AMA GROUP LIMITED
AEROPORTS DE PARIS	AMADA HOLDINGS CO LTD
AFFILIATED MANAGERS GROUP	AMADEUS IT GROUP
AFLAC INC	AMAZON INC
AFTERPAY TOUCH GRP	AMCOR PLC CDI
AGC INC	AMCOR PLC ORD
AGEAS	AMER FINL GROUP
AGILENT TECHNOLOGIES INC	AMERCO
AGNC INVT CORP	AMERICAN EXPRESS CO
AGNICO EAGLE MINES LTD	AMERICAN INTERNATIONAL GROUP INC
AIA GROUP LTD	AMERICAN TOWER CORP

AMERICAN WTR WKS CO INC NEW  
 AMERIPRISE FINL INC  
 AMERISOURCEBERGEN CORP  
 AMETEK INC NEW  
 AMGEN INC  
 AMP LIMITED  
 AMPHENOL CORP NEW CLA  
 AMUNDI  
 ANA HOLDINGS INC  
 ANALOG DEVICES INC  
 ANDRITZ AG (BR)  
 ANHEUSER-BUSCH INB  
 ANNALY CAP MGMT INC  
 ANSELL  
 ANSYS INC  
 ANTHEM INC  
 ANTOFAGASTA ORD  
 AON PLC  
 AOZORA BANK  
 APA GROUP  
 APACHE CORP  
 APPEN LTD  
 APPLE INC  
 APPLIED MATERIALS INC  
 APTIV PLC  
 ARAMARK  
 ARB CORPORATION  
 ARCH CAPITAL GROUP  
 ARCHER-DANIELS-MIDLAND CO  
 ARCONIC INC  
 ARDENT LEISURE GRO  
 ARISTA NETWORKS INC  
 ARISTOCRAT LEISURE  
 ARKEMA  
 AROUNDTOWN SA  
 ARROW ELECTR INC  
 ASAHI GROUP HOLDINGS LTD  
 ASAHI INTECC CO LT  
 ASAHI KASEI CORP  
 ASCENDAS R/EST INV (REIT)  
 ASHTEAD GROUP ORD  
 ASM PACIFIC TECH  
 ASML HOLDING NV  
 ASSA ABLOY SER'B'  
 ASSIC GENERALI SPA  
 ASSOCD BRIT FOODS ORD  
 ASSURANT INC  
 ASTELLAS PHARMA  
 ASTRAZENECA ORD  
 ASX LTD  
 AT&T INC  
 ATCO LTD CLASS  
 ATHENE HOLDING LTD  
 ATLAS ARTERIA  
 ATLAS COPCO AB SER'A'  
 ATLAS COPCO AB SER'B'  
 ATMOS ENERGY CORP  
 ATOS SE  
 AUCKLAND INTL  
 AURELIA METALS LIMITED  
 AURIZON HOLDINGS  
 AURORA CANNABIS INC  
 AUSDRILL LIMITED  
 AUSNET SERVICES  
 AUST & NZ BANK GRP  
 AUSTAL LIMITED  
 AUSTRALIAN AGRICULTURAL CO  
 AUSTRALIAN FINANCE GRP  
 AUSTRALIAN PHARMAC INDUS LTD  
 AUSTRALIAN VINTAGE LTD  
 AUSTRALIS OIL&GAS  
 AUTO TRADER GROUP  
 AUTODESK INC  
 AUTOLIV INC  
 AUTOMATIC DATA PROCESSING INC  
 AUTOMOTIVE HLDG GRP  
 AUTOSPORTS GROUP LIMITED  
 AUTOZONE INC  
 AVALONBAY CMNTYS REIT  
 AVENTUS GROUP  
 AVEO GROUP  
 AVERY DENNISON CORP  
 AVIVA  
 AXA EQUITABLE HLDGS INC  
 AXA  
 AXALTA COATING SYSTEMS LTD  
 AXEL SPRINGER SE  
 AZRIELI GROUP  
 BAE SYSTEMS ORD  
 BAKER HUGHES A GE CO  
 BALL CORP  
 BALOISE HOLDING AG  
 BANCO SANTANDER  
 BANDAI NAMCO HOLDINGS INC  
 BANK HAPOALIM B.M.  
 BANK NEW YORK MELLON CORP  
 BANK OF AMERICA CORP  
 BANK OF EAST ASIA

BANK OF IRELAND GR  
BANK OF MONTREAL  
BANK OF QUEENSLAND  
BANKIA S.A.  
BANKINTER SA  
BAPCOR LTD  
BARCLAYS PLC  
BARRATT DEVELOPMENTS  
BARRY CALLEBAUT AG  
BASF  
BAUSCH HEALTH P  
BAXTER INTL INC  
BAYER MOTOREN WERK NON VTG PRF  
BAYERISCHE MOTOREN WERKE AG  
BB&T CORP  
BBVA(BILB-VIZ-ARG)  
BCE INC  
BCO DE SABADELL  
BCO ESPIRITO SANTO  
BEACH ENERGY LTD  
BECTON DICKINSON & CO  
BEGA CHEESE LTD  
BEIERSDORF AG  
BELLAMYS AUSTRALIA  
BENDIGO AND ADELAIDE BANK LTD  
BENESSE HOLDINGS INC  
BERKLEY GP HOLDINGS  
BEST BUY INC  
BIC  
BINGO INDUSTRIES L  
BIOGEN INC MON STOCK  
BIOMARIN PHARMACEUTICAL INC  
BIOMERIEUX  
BK LEUMI LE ISRAEL  
BK OF KYOTO LTD  
BK OF NOVA SCOTIA  
BLACKBERRY LTD  
BLACKMORES LTD  
BLACKROCK INC  
BLOCK H & R INC  
BLUESCOPE STEEL  
BNP PARIBAS  
BOC HONG KONG HLDG  
BOLIDEN AK  
BOLLORE  
BOMBARDIER INC CLASS'B'SUB-VTG  
BOOKING HLDGS INC  
BORAL LIMITED  
BORG WARNER INC

BOUYGUES  
BRAMBLES LTD  
BRAVURA SOLUTIONS  
BRENNTAG AG  
BREVILLE GROUP LTD  
BRICKWORKS  
BRIDGESTONE CORP  
BRIGHOUSE FINL INC  
BRISTOL MYERS SQUIBB CO  
BRITISH LAND CO ORD  
BROAD INC  
BROADRIDGE FINL SOLUTIONS INC  
BROOKFIELD ASSET LIMITED  
BROTHER INDUSTRIES  
BROWN-FORMAN INC CL B NON-VTG  
BSTN PPTYS INC  
BT GROUP ORD  
BUNGE LTD  
BUNZL PLC ORD  
BURBERRY GROUP  
BUREAU VERITAS  
BURLINGTON STORES INC  
BWP TRUST  
BWX LTD  
C H ROBINSON WORLDWIDE INC  
CABOT OIL & GAS CORP  
CADENCE DESIGN SYS INC  
CAE INC  
CAIXABANK SA  
CALBEE INC  
CALTEX AUSTRALIA  
CAMDEN PPTY TR SH BEN INT  
CAMPBELL SOUP CO  
CANADIAN IMP BANK  
CANADIAN PACIFIC R  
CANADIAN TIRE LTD  
CANON INC  
CANOPY GROWTH CORP  
CAPGEMINI  
CAPITAL ONE FINL CORP  
CAPITALAND M TR  
CAPITALAND LTD  
CAPITALAND MALL TRUST  
CAPRI HOLDINGS LTD  
CARDINAL HLTH INC  
CARL ZEISS MEDITEC  
CARLSBERG SER'B'  
CARMAX INC  
CARREFOUR SA

CARSALES LTD  
CASINO GUICH-PERR  
CASIO PUTER CO  
CATERPILLAR INC  
CBL CORP LTD  
CBOE GLOBAL MARKETS INC  
CBRE GROUP INC  
CBS CORP NEW CLB  
CCL INDUSTRIES INC CLASS'B'  
CDK GLOBAL INC  
CDN NATL RAILWAYS  
CDN UTILITIES  
CDW CORP  
CEDAR WOODS PROPS  
CELANESE CORP  
CELGENE CORP  
CELLNEX TELE SA  
CENTENE CORP DEL  
CENTERPOINT ENERGY INC  
CENTRAL JAPAN RLWY  
CENTRICA  
CENTURIA INDUSTRIA  
CENTURIA METROPOLI  
CENTURYLINK INC  
CERNER CORP  
CGI INC  
CHALLENGER LTD  
CHARTER MUNICATIONS INC  
CHARTER HALL EDUCATION  
CHARTER HALL GROUP  
CHARTER HALL LONG  
CHARTER HALL RETAIL  
CHECK PT SOFTWARE TECHNOLOGIES  
CHEMOURS CO  
CHENIERE ENERGY INC  
CHIBA BANK  
CHIPOTLE MEXICAN GRILL INC  
CHR. HANSEN HLDG  
CHUBB LTD  
CHUGAI PHARMACY CO. LTD  
CHUGOKU ELECTRIC POWER CO INC  
CHURCH & DWIGHT INC  
CI FINANCIAL CORP  
CIE DE ST-GOBAIN  
CIGNA CORP NEW  
CIMAREX ENERGY CO  
CIMIC GROUP LIMITED  
CIN FNCL CORP  
CINTAS CORP

CISCO SYSTEMS INC  
CIT GROUP INC  
CITIGROUP INC  
CITIZENS FINL GROUP INC  
CITRIX SYS INC  
CITY DEVELOPMENTS LTD  
CK ASSET HOLDINGS LTD  
CK HUTCHISON HLDGS  
CLARIANT AG  
CLEANAWAY WASTE MGMT LTD  
CLINUVEL  
CLOROX CO  
CME GROUP INC  
CMS ENERGY CORP  
CNH INDUSTRIAL NV  
CNP ASSURANCES  
COCA COLA BOTTLERS  
COCA COLA CO  
COCA-COLA AMATIL  
COCA-COLA EUROPEAN PARTNERS PLC  
COCA-COLA HBC AG  
COCHLEAR LTD  
COGNEX CORP  
COGNIZANT TECH SOLUTIONS CORP CLA  
COLES GROUP LTD  
COLGATE-PALMOLIVE CO  
COLLINS FOOD LTD  
COLOPLAST SER'B'DKK1  
CAST CORP NEW-CLA  
ERICA INC  
FORTDELGRO CORP LTD  
MERZBANK AG  
MONWEALTH BANK OF AUSTRALIA  
MSCOPE HLDG CO INC  
PASS GROUP ORD  
PUTERSHARE LTD  
CONAGRA BRANDS INC  
CONCHO RES INC  
CONCORDIA FINL GROUP LT  
CONS EDISON INC  
CONSTELLATION BRANDS INC  
CONSTELLATION SOFT  
CONTACT ENERGY  
CONTINENTAL AG  
CONTINENTAL RES INC  
COOPER COS INC  
COOPER ENERGY LTD  
COPART INC  
CORNING INC

CORONADO GLOBAL RESOURCES INC  
CORPORATE TRAVEL MANAGEMENT LTD  
CORTEVA INC  
COSTA GROUP HOLDINGS LIMITED  
COSTAR GROUP INC  
COSTCO WHOLESALE CORP  
COTY INC  
COVESTRO AG  
COVIVIO  
CREDIT AGRICOLE SA  
CREDIT CORP GROUP  
CREDIT SAISON CO  
CREDIT SUISSE AG  
CRH ORD  
CRODA INTLORD  
CROMWELL PROP GP  
CRONOS GROUP INC  
CROWN CASTLE INTL CORP  
CROWN HLDGS INC  
CROWN RESORTS LIMITED  
CSL LTD  
CSR LIMITED  
CSX CORP  
CUMMINS INC  
CVS HEALTH CORP  
CYBERAGENT INC  
CYBER-ARK SOFTWARE LTD  
D R HORTON INC  
DAI NIPPON PRINTNG  
DAICEL CORPORATION INDS  
DAIFUKU CO LTD  
DAI-ICHI LIFE HOLD  
DAIICHI SANKYO  
DAIKIN INDUSTRIES  
DAIMLER AG  
DAIRY FARM INTERNATIONAL HOLDINGS LTD  
DAITO TRUST CONST  
DAIWA HOUSE INDS  
DAIWA HOUSE REIT INVESTMENT CO  
DAIWA SECS GROUP INC  
DANAHER CORP  
DANONE  
DANSKE BANK A/S  
DARDEN RESTAURANTS INC  
DASSAULT AVIATION  
DASSAULT SYSTEMES  
DAVIDE DE CAMPARI  
DAVITA INC  
DBS GROUP HLDGS  
DCC ORD  
DEERE & CO  
DELIVERY HERO SE  
DELL TECHNOLOGIES INC  
DELTA AIR LINES INC  
DEMANT A/S  
DENSO CORP  
DENTSPLY SIRONA INC  
DENTSU INC  
DEUTSCHE BANK AG  
DEUTSCHE BOERSE AG  
DEUTSCHE LUFTHANSA ORD  
DEUTSCHE POST AG  
DEUTSCHE TELEKOM  
DEUTSCHE WOHNEN SE  
DEX INC  
DEXUS PROPERTY GROUP  
DIAGEO ORD PLC  
DIAMONDBACK ENERGY INC  
DICKER DATA LTD SHS  
DIGITAL RLTY TR INC  
DIRECT LINE INSURANCE PLC ORD  
DISCO CORPORATION  
DISCOVER FINL SVCS  
DISCOVERY INC - A  
DISCOVERY INC  
DNB ASA  
DOCUSIGN INC  
DOLLAR GEN CORP  
DOLLAR TREE INC  
DOLLARAMA INC  
DOMAIN HLDGS AUSTR  
DOMINION ENERGY INC  
DOMINOS PIZZA INC  
DOVER CORP  
DOW INC  
DOWNER EDI LTD  
DROPBOX INCCLACL A  
DSV  
DTE ENERGY CO  
DUFREY AG  
DUKE RLTY CORP REIT  
DULUXGROUP LTD  
DUPONT DE NEMOURS INC  
DXC TECHNOLOGY CO  
E TRADE FINL CORP  
E.ON SE  
EAST JAPAN RAILWAY CO  
EAST WEST BANCORP INC

EASTMAN CHEM CO  
EASYJET ORD  
EATON CORP PLC  
EATON VANCE CORP  
EBAY INC  
ECLIPX GROUP LTD  
ECOLAB INC  
EDENRED  
EDISON INTL  
EDWARDS LIFESCIENCES CORP  
EIFFAGE  
EISAI CO  
ELANCO ANIMAL HEALTH INC  
ELDERS LIMITED  
ELECTR ARTS  
ELECTROLUX AB SER'B'  
ELI LILLY & CO  
ELISA OYJ  
ELIXINOL GLOBAL LT  
EMECO HOLD LIMITED  
EMERSON ELECTRIC CO  
EML PAYMENTS LTD  
EMPIRE CO CLASS'A  
EMS-CHEMIE HLDG AG  
ENAGAS SA  
ENBRIDGE INC  
ENCANA CORP  
ENDESA SA  
ENERGIAS DE PORTUGALSA  
ENTERGY CORP NEW  
EPAM SYS INC  
EPIROC AB SER'A'  
EPIROC AB SER'B'  
EQTY LIFESTYLE PPTYS INC REIT  
EQTY RESDNTL EFF  
EQUINIX INC  
ERICSSON SER'B'  
ERIE INDY CO CLA  
ERSTE GROUP BANK AG  
ESSEX PPTY TR REIT  
ESSILORLUXOTTICA  
ESSITY AB SER'B'  
ESTEE LAUDER PANIES INC  
ESTIA HEALTH LTD  
ETABLISSEMENTEN COLRUYT  
EURAZEO SE  
EUROFINS SCIENTIFI  
EUTELSAT MUNICA  
EVENT HOSPITALITY

EVERSOURCE ENERGY  
EVOLUTION MINING  
EVONIK INDUSTRIES  
EXACT SCIENCES CORP  
EXELON CORP  
EXOR NV  
EXPEDIA GROUP INC  
EXPEDITORS INTL WASH INC  
EXPERIAN ORD  
EXTRA SPACE STORAGE INC  
F5 NETWORKS INC  
FACEBOOK INC  
FACTSET RESH SYS INC  
FAMILYMART UNY HLD  
FANUC CORP  
FAR LIMITED  
FAST RETAILING CO LTD  
FASTENAL CO  
FAURECIA S.E.  
FEDERAL RLTY INVT TR SH BEN INT  
FEDEX CORP  
FERGUSON PLC  
FERRARI NV  
FERROVIAL SA  
FIAT CHRYSLER AUTOMOBILES NV  
FIDELITY NATL FINL INC  
FIDELITY NATL INFORMATION SVCS  
FINECOBANK SPA  
FIRST DATA CORP  
FIRST REP BK SAN FRANCISCO CALIF  
FIRSTENERGY CORP  
FISERV INC  
FISHER & PAYKEL ORD  
FLEETCOR TECHNOLOGIES INC  
FLETCHER BUILDING  
FLEX LTD  
FLEXIGROUP LIMITED  
FLIGHT CENTRE TRAVEL GROUP LTD  
FLIR SYS INC  
FLOWSERVE CORP  
FLUOR CORP  
FLUTTER ENTERTAINMENT PLC  
FMC CORP  
FORD MTR CO DEL  
FORTESCUE METALS GRP LTD  
FORTINET INC  
FORTIS INC  
FORTIVE CORP  
FORTUM OYJ

FORTUNE BRANDS HOME & SEC INC  
 FOX CORP CLA  
 FOX CORP CLB  
 FRANCO NEVADA CORP  
 FRAPORT (FRANKFURT AIRPORT SERVICES)  
 FREEDOM FOODS GROUP LIMITED  
 FRESENIUS MEDICAL CARE  
 FRESENIUS SE&KGAA  
 FRESNILLO PLC  
 FRKLN RES INC  
 FUCHS PETROLUB SE  
 FUJI ELECTRIC HOLINDGS CO  
 FUJIFILM HOLDINGSCORP  
 FUJITSU Y50  
 FUKUOKA FINANCIAL  
 G.U.D. HOLDINGS  
 G4S PLC ORD  
 G8 EDUCATION LTD  
 GALAXY ENTERTAINMENT  
 GALAXY RES LTD  
 GALLAGHER ARTHUR J & CO  
 GALP ENERGIA SGPS  
 GAP INC  
 GARMIN LTD  
 GARTNER INC  
 GDI PROPERTY GROUP  
 GEA GROUP AG  
 GEBERIT AG  
 GECINA  
 GENERAL DYNAMICS CORP  
 GENERAL ELECTRIC CO  
 GENERAL MILLS INC  
 GENMAB AS  
 GENTING SINGAPORE LTD  
 GENUINE PARTS CO  
 GENWORTH MORTGAGE INSURANCE AUS LTD  
 GEORGE WESTON  
 GETLINK SE  
 GILDAN ACTIVEWEAR  
 GILEAD SCIENCES INC  
 GIVAUDAN SA  
 GJENSIDIGE FORSIKR  
 GLAXOSMITHKLINE  
 GLOBAL PMTS INC  
 GMO PAYMENT GATEWAY INC  
 GODADDY INC CLA  
 GOLD ROAD RES LTD  
 GOLDEN AGRI-RESOURCES LTD  
 GOLDMAN SACHS GROUP INC  
 GOODMAN GROUP  
 GPE BRUXELLES LAM  
 GPT GROUP  
 GRAINCORP 'A'  
 GRAINGER WW INC  
 GREAT WEST LIFECO  
 GRIFOLS SA  
 GROWTHPOINT PROPER A-REIT  
 GRUBHUB INC  
 GTN LTD  
 GVC HLDGS PLC  
 GWA GROUP LTD  
 H&R REAL ESTATE INVT TR  
 H. LUNDBECK A/S  
 HAKUHODO DY HLDGS  
 HALLIBURTON CO  
 HALMA ORD  
 HAMAMATSU PHOTONIC  
 HANESBRANDS INC  
 HANG LUNG PROPERTIES  
 HANG SENG BANK  
 HANKYU HANSHIN HOLDINGS INC  
 HANNOVER RUECK SE  
 HANSEN TECHNOLOGIE  
 HARGREAVES LANSDOW ORD  
 HARLEY DAVIDSON  
 HARTFORD FINL SVCS GROUP INC  
 HARVEY NORMAN HLDG  
 HASBRO INC  
 HCA HEALTHCARE INC  
 HCP INC REIT  
 HD SUPPLY HLDGS INC  
 HEALIUS LTD  
 HEICO CORP NEW CLA  
 HEINEKEN HOLDING  
 HEINEKEN NV  
 HELMERICH & PAYNE INC  
 HENDERSON LAND DEVELOPMENT  
 HENKEL AG & CO KGAA NON-VTG PRF  
 HENKEL AG & CO KGAA (BR)  
 HENNES & MAURITZ SER'B'  
 HENRY SCHEIN INC MON STOCK  
 HERMES INTL  
 HERSHEY PANY  
 HESS CORP  
 HEWLETT PACKARD ENTERPRISE CO  
 HEXAGON AB SER'B'  
 HIKARI TSUSHIN INC  
 HILTON WORLDWIDE HLDGS INC



HINO MOTORS  
HIROSE ELECTRIC  
HISAMITSU PHARM CO  
HITACHI CHEMICAL  
HITACHI CONSTRUCTION MACHINERY  
HITACHI HIGH-TECH  
HITACHI METALS  
HITACHI  
HKT TRUST AND HKT  
HOCHTIEF AG  
HOLLYFRONTIER CORP  
HOLOGIC INC  
HOME DEPOT INC  
HONDA MOTOR CO  
HONEYWELL INTL INC  
HONG KONG & CHINA GAS  
HONG KONG EXCHANGES & CLEAR  
HONGKONG LAND HLD ORD  
HORMEL FOODS CORP  
HOSHIZAKI CORP  
HOST HOTELS & RESORTS INC REIT  
HOYA CORP  
HP INC  
HSBC HLDGS  
HT & E LTD  
HUB24 LIMITED  
HUGO BOSS AG  
HULIC PANY LTD  
HUMANA INC  
HUNT J B TRANS SVCS INC  
HUNTINGTON BANCSHARES INC  
HUNTINGTON INGALLS INDS INC  
HUON AQUACULTURE GROUP LTD  
HUSKY ENERGY INC  
HUSQVARNA AB SER'B'  
HYDRO ONE LTD  
HYSAN DEVELOPMENT  
IA FINANCIAL CORP  
IAC / INTERACTIVE CORP  
IBERDROLA SA  
ICA GRUPPEN AB  
ICADE  
ICL-ISRAEL CHEM  
IDEMITSU KOSAN CO  
IDEX CORP  
IDEXX LABS INC  
IDP EDUCATION LTD  
IGM FINANCIAL INC  
IHI CORPORATION

IHS MARKIT LTD  
IIDA GROUP LTD  
ILIAD  
ILL TOOL WKS INC  
ILLUMINA INC  
ILUKA RESOURCES  
IMAGE RESOURCES  
IMERYS  
INCITEC PIVOT  
INCYTE CORP  
INDEPENDENCE GROUP  
INDITEX (IND.DE DISENO TEXTIL SA)  
INDUSTRI VARDEN AB SER'C'  
INFIGEN ENERGY LTD  
INFINEON TECHNOLOG ORD  
INFORMA PLC (GB) ORD  
ING GROEP N.V.  
INGENICO GROUP  
INGERSOLL-RAND PLC  
INGHAMS GROUP LTD  
INGREDION INC  
INNOGY SE  
INS AUSTRALIA  
INTACT FINL CORP  
INTEGRATED RESEARCH LTD  
INTEL CORP  
INTER PIPELINE LTD  
INTERCONTINENTAL EXCHANGE INC  
INTERCONTL HOTELS  
INTERNATIONAL BUSINESS MACHS CORP  
INTERPUBLIC GROUP PANIES INC  
INTERTEK GROUP ORD  
INTESA SANPAOLO  
INTL FLAVORS & FRAGRANCES INC  
INTL PAPER CO  
INTUIT  
INTUITIVE SURGICAL INC  
INVESCO LTD  
INVESTEC AUSTRALIA UNITS  
INVESTEC ORD  
INVESTOR AB SER'B'  
INVITATION HOMES INC  
INVOCARE LTD  
IONIS PHARMACEUTICALS INC  
IOOF HOLDINGS LTD  
IPG PHOTONICS CORP  
IPH LTD  
IPSEN  
IQVIA HLDGS

IRESS LIMITED  
 IRON MTN INC NEW  
 ISELECT LTD  
 ISETAN MITSUKOSHI  
 ISRAEL DISCOUNT  
 ISS A/S  
 ISUZU MOTORS  
 ITOCHU TECHNO-SOLUTIONS CORPORATION  
 ITV ORD  
 J FRONT RETAILING  
 JACK HENRY & ASSOC INC  
 JACOBS ENGR GROUP INC  
 JAMES HARDIE INDUSTRIES PLC  
 JAPAN AIRLINES CO  
 JAPAN AIRPORT TERMINAL CO  
 JAPAN EXCHANGE GROUP INC  
 JAPAN POST BANK CO  
 JAPAN POST HOLD CO  
 JAPAN PRIME REALTY REIT  
 JAPAN REAL ESTATE INVESTMENT CO  
 JAPAN RETAIL FUND REIT  
 JARDINE MATHESON HLDGS  
 JAZZ PHARMACEUTICALS PLC  
 JB HI-FI  
 JC DECAUX SA  
 JEFFERIES FINL GROUP INC  
 JERONIMO MARTINS  
 JGC CORP  
 JOHNSON & JOHNSON  
 JOHNSON Ctls INTL PLC  
 JOHNSON MATTHEY  
 JONES LANG LASALLE INC  
 JPMORGAN CHASE & CO  
 JSR CORP  
 JTEKT CORPORATION  
 JULIUS BAER GRUPPE  
 JUMBO INTERACTIVE  
 JUNIPER NETWORKS INC  
 JUPITER MINES LIMITED  
 JXTG HOLDINGS INC  
 KAJIMA CORP  
 KAKAKU INC  
 KAMIGUMI CO LTD  
 KANEKA CORP  
 KANSAI ELECTRIC POWER CO  
 KANSAI PAINT CO  
 KAO CORP  
 KAWASAKI HEAVY IND  
 KBC GROEP NV  
 KDDI CORP  
 KEIHAN HOLDINGS CO  
 KEIKYU CORPORATION  
 KEISEI ELECTRIC CO  
 KELLOGG CO  
 KEPPEL CORP  
 KERING  
 KERRY GROUP 'A' ORD  
 KERRY PROPERTIES  
 KEYCORP NEW  
 KEYENCE CORP  
 KEYERA CORP  
 KEYSIGHT TECHNOLOGIES INC  
 KIDMAN RESOURCES LSHS  
 KIKKOMAN CORP  
 KIMBERLY-CLARK CORP  
 KIMCO RLTY CORP  
 KINDER MORGAN INC DEL  
 KINGFISHER ORD  
 KINGSPAN GROUP ORD  
 KINNEVIK AB SER'B'  
 KINROSS GOLD CORP  
 KINTETSU GROUP HOLDINGS CO LTD  
 KION GROUP AG  
 KIRIN HOLDINGS CO  
 KIRKLAND LAKE GOLD  
 KKEIO CORPORATION  
 KKR & CO INC CLA  
 KLA-TENCOR CORP  
 KLEPIERRE  
 KNIGHT-SWIFT TRANSN HLDGS INC CLA  
 KNORR BREMSE AG  
 KOBAYASHI PHARMACEUTICALS  
 KOBE STEEL LTD  
 KOGAN LTD  
 KOHLS CORP  
 KOITO MFG CO LTD  
 KOMATSU  
 KONAHOLD DELHAIZE  
 KONAMI HOLDINGS CO  
 KONE CORPORATION ORD'B'  
 KONICAMINOLTA INC  
 KONINKLIJKE DSM NV  
 KONINKLIJKE KPN  
 KONINKLIJKE PHILIP  
 KONINKLIJKE VOPAK  
 KOSE CORPORATION  
 KRAFT HEINZ CO  
 KROGER CO

KS CY SOUTHN  
 KUBOTA CORP  
 KUEHNE&NAGEL INTL  
 KURARAY CO  
 KURITA WATER INDS  
 KYOCERA CORP  
 KYOWA KIRIN CO LTD  
 KYUSHU ELEC POWER  
 KYUSHU RAILWAY COR  
 L BRANDS INC  
 L E LUNDBERGFORETASER'B'  
 LAB CORP AMER HLDGS  
 LAM RESH CORP  
 LAMB WESTON HLDGS INC  
 LAND SECURITIES GP ORD  
 LANXESS AG  
 LAS VEGAS SANDS CORP  
 LAWSON INC  
 LEGAL & GENERAL GP ORD  
 LEGGETT & PLATT INC  
 LEGRAND SA  
 LEIDOS HLDGS INC  
 LENDLEASE CORP LTD  
 LENNAR CORP CLA  
 LENNOX INTL INC  
 LEONARDO SPA  
 LIBERTY BROADBAND CORP  
 LIBERTY GLOBAL PLC  
 LIBERTY MEDIA CORP  
 SIRIUS XM GROUP INC  
 LIBERTY MEDIA CORPORATION  
 LIBERTY PPTY TR SH BEN INT  
 LINCOLN NATL CORP  
 LINDE PLC  
 LINDT & SPRUENGLI  
 LINE CORP  
 LINK ADMINISTRATIO  
 LINK REAL ESTATE INVESTMENT  
 LION CORP  
 LIVE NATION ENTERTAINMENT INC  
 LIXIL GROUP CORP  
 LKQ CORP  
 LLOYDS BANKING GP ORD  
 LOBLAWS COS LTD  
 LOEWS CORP  
 LONDON STOCK EXCHANGE GRP  
 LONZA GROUP AG  
 L'OREAL  
 LOVISA HLDGS LTD  
 LOWES COS INC  
 LULULEMON ATHLETICA INC  
 LUNDIN MINING CORP  
 LUNDIN PETROLEUM A  
 LVMH MOET HENNESSY LOUIS VUITTON SE  
 LYNAS CORPORATION  
 LYONDELLBASELL IND  
 M & T BK CORP  
 M UFJ LEASE  
 M3 INC  
 MACERICH CO REIT  
 MACQUARIE GP LTD  
 MACYS INC  
 MAGELLAN FINANCIAL  
 MAGNA INTL INC  
 MAKITA CORP  
 MANPOWERGROUP INC  
 MANULIFE FINL CORP  
 MAPFRE SA  
 MARATHON OIL CORP  
 MARATHON PETROLEUM CORP  
 MARKEL CORP HOLDING CO  
 MARKETAXESS HLDGS INC  
 MARKS & SPENCER GP ORD  
 MARRIOTT INTL INC CLA  
 MARSH & MCLENNAN CO'S INC  
 MARTIN MARIETTA MATLS INC  
 MARUBENI CORP  
 MARUI GROUP CO LTD  
 MARUICHI STEEL TUBE LTD  
 MARVELL TECH GROUP  
 MASCO CORP  
 MASTERCARD INC CLA  
 MAXIM INTEGRATED PRODS INC  
 MAYNE PHARMA GROUP LIMITED  
 MAZDA MOTOR CORP  
 MC CORMICK & CO INC  
 MC DONALDS CORP  
 MCDONALD'S HOLDING CO JAPAN  
 MCKESSON CORP  
 MCMILLAN SHAKESPEA  
 MEBUKI FINANCIAL GROUP INC  
 MEDIBANK PRIVATE L  
 MEDIOBANCA SPA  
 MEDIPAL HOLDINGS CORP  
 MEDTRONIC PLC  
 MEGAPORT LTD  
 MEGGITT ORD  
 MEIJI HOLDINGS CO

MELCO RESORTS & ENTERTAINMENT LTD  
MELROSE INDUST PLC  
MERCADOLIBRE INC  
MERCARI INC  
MERCK & CO INC  
MERCK KGAA  
MERIDIAN ENERGY LT  
MERLIN ENTERTAINME ORD  
MESOBLAST LTD  
METCASH LIMITED  
METHANEX CORP  
METLIFE INC  
METRO AG  
METRO INC  
METSO OYJ  
METTLER-TOLEDO INTL INC  
MGM CHINA HLDGS LT  
MGM RESORTS INTERNATIONAL  
MICHELIN (CGDE)  
MICRO FOCUS INTERNATIONAL PLC  
MICROCHIP TECHNOLOGY INC  
MICRON TECH INC  
MICROSOFT CORP  
MID-AMER APT CMNTYS INC  
MIDDLEBY CORP  
MIDWAY LTD  
MILLI INTERNATIONAL CELLULAR SA  
MINEBEA MITSUMI INC  
MINERAL RES LTD  
MIRVAC GROUP STAPLED SECURITIES  
MISUMI GROUP INC  
MITSUBISHI CHEM HL  
MITSUBISHI ELEC CP  
MITSUBISHI ESTATE CO LTD  
MITSUBISHI GAS CHM  
MITSUBISHI HVY IND  
MITSUBISHI MATERLS  
MITSUBISHI TANABE PHARMA CORP  
MITSUBISHI UFJ FIN  
MITSUI CHEMICALS  
MITSUI FUDOSAN CO LTD  
MITSUI O.S.K. LINES LTD  
MIZRAHI TEFAHOT BANK LTD  
MIZUHO FINANCIAL GROUP  
MOELIS AUSTRALIA  
MOHAWK INDS INC  
MOLSON COORS BREWING  
MONADELPHOUS GRP  
MONCLER SPA

MONDELEZ INTL INC  
MONDI PLC  
MONEY3 CORPORATION  
MONGODB INC  
MONOTARO CO LTD  
MOODYS CORP  
MORGAN STANLEY  
MOSAIC CO  
MOTORCYCLE HLDGS LTD  
MOTOROLA SOLUTIONS INC  
MOUNT GIBSON IRON  
MOWI ASA  
MS&AD INS GP HLDGS  
MSCI INC  
MTR CORP  
MTU AERO ENGINES AG  
MUENCHENER RUECKVE  
MURATA MANUFACTURING CO  
MYER HOLDINGS LTD  
NVR INC  
NABTESCO CORP  
NAGOYA RAILROAD CO LTD  
NANOSONICS LTD  
NASDAQ INC  
NATIONAL GRID ORD  
NATIONAL OILWELL VARCO  
NATIONAL RETAIL PPTYS INC  
NATIONAL STORAGE REIT  
NATIXIS  
NATL AUSTRALIA BK  
NATL BK OF CANADA  
NATURGY ENERGY GROUP SA  
NAVIGATOR GLOBAL INVESTMENTS LTD  
NAVITAS LTD  
NEARMAP LTD  
NEC CORP  
NEKTAR THERAPEUTICS  
NESTE OYJ  
NESTLE SA  
NETAPP INC  
NETFLIX INC  
NETWEALTH GROUP  
NEW WORLD DEVELOPMENT CO  
NEWCREST MINING LTD  
NEWELL BRANDS INC  
NEWMONT GOLDCORP CORP  
NEXON CO LTD  
NEXT ORD  
NEXTDC LTD

NGK INSULATORS LTD  
 NGK SPARK PLUG CO  
 NH FOODS LTD  
 NIB HOLDINGS LTD  
 NICE LTD  
 NICK SCALI  
 NIDEC CORPORATION  
 NIELSEN HOLDINGS PLC  
 NIKE INC CL B  
 NIKON CORP  
 NINE ENTERTAINMENT  
 NINTENDO CO LTD  
 NIPPON BUILDING FD REIT  
 NIPPON ELECTRIC GLASS CO LTD  
 NIPPON EXPRESS CO  
 NIPPON PAINT HLDGS  
 NIPPON PROLOGIS RE REIT  
 NIPPON TELEGRAPH & TELEPHONE CORP  
 NIPPON YUSEN KABUSHIKI KAISHA  
 NISOURCE INC  
 NISSAN CHEMICAL CORP  
 NISSHIN SEIFUN GRP  
 NISSIN FOODS HOLDINGS CO LTD  
 NITORI HOLDINGS  
 NITTO DENKO CORP  
 NMC HEALTH PLC ORD  
 NN GROUP N.V.  
 NOBLE ENERGY INC  
 NOKIA OYJ  
 NOKIAN RENKAAT OYJ  
 NOMURA HOLDINGS  
 NOMURA REAL ESTATE MASTER FU  
 NOMURA RESEARCH INSTITUTE  
 NOMURA RL EST INC  
 NORDEA BANK ABP  
 NORDSTROM INC  
 NORFOLK SOUTHN CORP  
 NORSK HYDRO ASA  
 NORTHERN STAR RESOURCES LTD  
 NORTHERN TR CORP  
 NORTHROP GRUMMAN CORP  
 NORWEGIAN CRUISE LINE HLDGS LTD  
 NOVO-NORDISK  
 NOVOZYMES A/S SERIES 'B'  
 NRW HOLDINGS LTD  
 NSK LTD  
 NTT DATA CORP  
 NTT DOCOMO INC  
 NUCOR CORP

NUFARM  
 NUTRIEN LTD  
 NVIDIA CORP  
 NWS HOLDINGS LTD  
 NXP SEMICONDUCTORS NV  
 NZME LTD  
 O REILLY AUTOMOTIVE INC  
 OBAYASHI CORP  
 OBIC CO LTD  
 OCADO GROUP PLC ORD  
 ODAKYU ELEC RLWY  
 OFX GROUP LTD  
 OILSEARCH LTD  
 OJI HOLDINGS CORP  
 OKTA INC CLA  
 OLD DOMINION FREIGHT LINE INC  
 OMNI GROUP INC  
 OMRON CORP  
 OMV AG  
 ON SEMICONDUCTOR CORP  
 ONEOK INC  
 ONEX CORP SUB-VTG  
 ONO PHARMACEUTICAL  
 OOH MEDIA LIMITED  
 OPEN TEXT CO  
 ORACLE CORP  
 ORACLE CORP JAPAN  
 ORANGE SA  
 ORICA LIMITED  
 ORIENTAL LAND CO LTD  
 ORIGIN ENERGY LTD  
 ORION CORPORATION SER 'B'  
 ORIX CORP  
 ORKLA ASA  
 OROCOBRE LTD  
 ORORA LTD  
 ORSTED A/S  
 OSAKA GAS CO LTD  
 OTSUKA CORP  
 OTSUKA HOLDINGS CO LTD  
 OVERSEA-CHINESE BANKING CORPORATION  
 OWENS CORNING NEW  
 OZ MINERALS LTD  
 PACCAR INC  
 PACIFIC CURRENT GROUP LTD  
 PACKAGING CORP AMER  
 PACT GROUP HLDGS LTD  
 PALO ALTO NETWORKS INC  
 PAN PACIFIC INTERNATIONAL HOLDINGS CORP

PANASONIC CORP  
PANDORA A/S  
PARAGON CARE LTD  
PARGESA HLDGS SA  
PARK 24 CO LTD  
PARKER-HANNIFIN CORP  
PARSLEY ENERGY INC CL A  
PARTNERS GROUP HLG  
PAYCHEX INC  
PAY SOFTWARE INC  
PAYPAL HLDGS INC  
PCCW LIMITED  
PEARSON ORD  
PEMBINA PIPELINE CORP  
PENDAL GROUP LTD  
PENTAIR PLC  
PEOPLES UTD FINL INC  
PEPSICO INC  
PEPTIDREAM INC  
PERKINELMER INC  
PERNOD RICARD  
PERPETUAL LIMITED  
PERRIGO PANY LIMITED  
PERSEUS MINING LTD  
PERSIMMON ORD  
PERSOL HOLDINGS CO  
PEUGEOT SA  
PFIZER INC  
PHILLIPS 66  
PIGEON CORP  
PILBARA MINERALS  
PINNACLE INV MGMT  
PINNACLE WEST CAP CORP  
PIONEER NAT RES CO  
PIRELLI & C SPA  
PIVOTAL SYSTEMS PIVOTAL SYSTEMS CORP INC  
PLATINUM ASSET MAN  
PNC FINANCIAL SERVICES GRP  
POLA ORBIS HLDG IN  
POLARIS INDS INC  
POSTE ITALIANE SPA  
POWER ASSETS HLDGS  
POWER CORP CANADA SUB-VTG  
POWER FINL CORP  
PPG IND INC  
PPL CORP  
PRAIRIESKY ROYALTY  
PREMIER INVS  
PRINCIPAL FINL GROUP INC

PRO MEDICUS  
PROCTER & GAMBLE  
PROGRESSIVE CORP OH  
PROLOGIS INC  
PROXIMUS  
PRUDENTIAL FINL INC  
PRUDENTIAL  
PRYSMIAN SPA  
PTC INC  
PUB SERVICE ENTERPRISE GROUP INC  
PUB STORAGE  
PUBLICIS GROUPE SA  
PULTE GROUP INC  
PUMASE  
PVH CORP  
QANTM INTELLECTUAL  
QBE INS GROUP  
QIAGEN NV  
QORVO INC  
QUALM INC  
QUBE HOLDINGS LIMITED  
QUEBECOR INC CLASS 'B' SUB-VTG  
QUEST DIAGNOSTICS INC  
QUINTIS LTD  
RAIFFEISEN BK INTL  
RAKUTEN INC  
RALPH LAUREN CORP CLA  
RAMSAY HEALTH CARE  
RANDSTAD N.V.  
RAYMOND JAMES FNCL INC  
RAYTHEON CO  
RCR TOMLINSON LTD  
REA GROUP LIMITED  
REALTY INE CORP  
RECKITT BENCK GRP ORD  
RECORDATI  
RECRUIT HLDGS CO LTD  
RED ELECTRICA CORP  
RED HAT INC  
REECE LTD  
REGENCY CTRS CORP  
REGENERON PHARMACEUTICALS INC  
REGIONS FINL CORP  
REGIS HEALTHCARE LIMITED  
REGIS RESOURCES LTD  
REINSURANCE GROUP AMER INC  
RELIANCE WORLDWIDE  
RELX PLC  
REMY COINTREAU

RENAISSANCE RE HLDGS LTD  
 RENAULT SA  
 RENESAS ELECTRONICS CORPORATION  
 RENTOKIL INITIAL ORD  
 REPSOL SA  
 REPUBLIC SVCS INC  
 RESMED INC  
 RESOLUTE MINING  
 RESONA HOLDINGS  
 RESTAURANT BRANDS INTL INC  
 RICHEMONT SA (CIE FIN)  
 RICOH CO LTD  
 RINNAI CORP  
 RIO TINTO LIMITED  
 ROBERT HALF INTL INC  
 ROCHE HLDGS AG GENUSSSCHEINE  
 ROCKWELL AUTOMATION  
 ROGERS MS INC CLASS'B'  
 ROHM CO LTD  
 ROLLINS INC  
 ROLLS ROYCE HLDGS ORD  
 ROPER TECHNOLOGIES INC  
 ROSS STORES INC  
 ROYAL BK OF CANADA  
 ROYAL BK SCOT GRP ORD  
 ROYAL CARIBBEAN CRUISES  
 RSA INSURANCE GRP ORD  
 RTL GROUP  
 RURAL FUNDS GROUP STAPLED UNITS  
 RYMAN HEALTHCARE  
 RYOHIN KEIKAKU CO  
 S&P GLOBAL INC  
 S.W. AIRL CO  
 SABRE CORP  
 SAFRAN SA  
 SAGE GROUP  
 SAINSBURY(J) ORD  
 SALESFORCE INC  
 SAMPO PLC SER'A'  
 SANDFIRE RESOURCES  
 SANDS CHINA LTD  
 SANDVIK AB  
 SANKYO CO LTD  
 SANOFI  
 SANTEN PHARM CO  
 SANTOS LIMITED  
 SAP SE  
 SAPUTO INC  
 SARACEN MINERAL HL  
 SARTORIUS AG NON VTG PRF  
 SARTORIUS STEDIM B  
 SATS LTD  
 SBA MUNIICATIONS CORP  
 SBI HLDGS INC  
 SCA PROPERTY GROUP  
 SCENTRE GROUP  
 SCHIBSTED ASA  
 SCHINDLER-HLDG AG  
 SCHLUMBERGER LTD  
 SCHNEIDER ELECTRIC  
 SCHRODERS VTG SHS  
 SCHWAB CHARLES CORP  
 SCOR SE  
 SEAGATE TECHNOLOGY PLC  
 SEALED AIR CORP NEW  
 SEATTLE GENETICS INC  
 SEB SA  
 SE CO  
 SECURITAS  
 SEEK LIMITED  
 SEGA SAMMY HLDGS LTD  
 SEGRO PLC ORD  
 SEI INVTS CO  
 SEIBU HOLDINGS INC  
 SEIKO EPSON CORP  
 SEKISUI CHEMICAL CO LTD  
 SEKISUI HOUSE  
 SELECT HARVESTS  
 SEMBCORP INDUSTRIE  
 SEMPRA ENERGY INC  
 SENEX ENERGY LTD  
 SENSATA TECHNOLOGIES B V HOLDING  
 SERVCORP  
 SERVICE STREAM LTD  
 SERVICENOW INC  
 SES FDR  
 SEVEN & I HOLDINGS  
 SEVEN BANK LTD  
 SEVEN GROUP HLDGS  
 SEVEN WEST MEDIA LIMITED  
 SEVERN TRENT ORD  
 SG FLEET GROUP LTD  
 SG HOLDINGS CO LTD  
 SGS SA  
 SHANGRI-LA ASIA  
 SHARP CORP  
 SHAVER SHOP GROUP  
 SHAW MUNIICATION 'B'CNV

SHERWIN-WILLIAMS CO  
 SHIMADZU CORP  
 SHIMAMURA CO  
 SHIMANO INC  
 SHIMIZU CORP  
 SHIN-ETSU CHEMICAL  
 SHINSEI BANK  
 SHIONOGI & CO LTD  
 SHISEIDO CO LTD  
 SHIZUOKA BANK  
 SHOPIFY INC CL A  
 SHOWA DENKO KK  
 SIEMENS AG  
 SIEMENS GAMESA RENEWABLE ENERGY  
 SIEMENS HEALTHINEE  
 SIGMA HEALTHCARE L  
 SIGNATURE BK NY N Y  
 SIKA AG  
 SILVER LAKE RES  
 SIMON PROPERTY GROUP INC  
 SIMS METAL MANAGEMENT LTD  
 SINGAPORE AIRLINES  
 SINGAPORE EXCHANGE  
 SINGAPORE PRESS HOLDINGS  
 SINGAPORE TECHNOLOGIES ENGINEERING  
 SINGAPORE TELECOMMUNICATIONS  
 SINO LAND CO  
 SIRIUS XM HLDGS INC  
 SKAND ENSKILDA BKN SER'A'  
 SKANSKA AB SER'B'  
 SKF AB SER'B'  
 SKYCITY ENTERTAINMENT GROUP LIMITED  
 SKYWORKS SOLUTIONS INC  
 SL GREEN RLTY CORP  
 SMARTCENTRES REIT UNITS  
 SMARTGROUP CORPORATION LIMITED  
 SMITH & NEPHEW ORD  
 SMITH A & O CORP  
 SMITHS GROUP ORD  
 SMUCKER J M CO  
 SMURFIT KAPPA GROUP PLC ORD  
 SNAM  
 SNAP INC  
 SNAP-ON INC  
 SNC-LAVALIN GROUP  
 SOCIETE GENERALE  
 SODEXHO  
 SOFTBANK CORP  
 SOFTBANK GROUP CORP  
 SOHGO SECURITY SER  
 SOLVAY SA  
 SOMPO HOLDINGS INC  
 SONIC HEALTHCARE  
 SONOVA HOLDING AG  
 SONY CORP  
 SONY FINANCIAL HLDGS INC  
 SOUTHN CROSS MEDIA GROUP  
 SPARK INFR GROUP  
 SPARK NEW ZEALAND LTD  
 SPEEDCAST INTL LTD  
 SPIRAX-SARCO ENGINEERING  
 SPIRIT AEROSYSTEMS HLDGS INC CL A  
 SPLUNK INC  
 SPRINT CORP  
 SQUARE INC  
 SS&C TECHNOLOGIES HLDGS INC  
 SSE PLC ORD  
 ST BARBARA LIMITED  
 ST JAMES'S PLACE ORD  
 STANDARD CHARTERED PLC  
 STANLEY BLACK & DECKER INC  
 STANLEY ELECTRIC  
 STARBUCKS CORP  
 STARS GROUP INC  
 STATE STR CORP  
 STD LIFE ABERDEEN ORD  
 STEADFAST GROUP  
 STEEL DYNAMICS INC  
 STERIS PLC ORD  
 STMICROELECTRONICS  
 STOCKLAND  
 STORA ENSO OYJ SER'R'  
 STRAUMANN HLDG  
 STRYKER CORP  
 SUBARU CORPORATION  
 SUEZ SA  
 SUMCO CORPORATION  
 SUMITOMO CHEMICAL CO. LTD  
 SUMITOMO CORP  
 SUMITOMO DAINIPPON PHARMA CO LTD  
 SUMITOMO ELECTRIC  
 SUMITOMO HEAVY IND  
 SUMITOMO METAL MINING CO LTD  
 SUMITOMO MITSUI FINANCIAL GROUP  
 SUMITOMO MITSUI TRUST HOLDINGS INC  
 SUMITOMO REALTY & DEVELOPMENT  
 SUMITOMO RUBBER  
 SUN MUNITIES INC



SUN HUNG KAI PROP  
 SUN LIFE FINL INC  
 SUN TR BANKS INC  
 SUNCORP GROUP LTD  
 SUNDRUG CO LTD  
 SUNLAND GROUP LTD  
 SUNTEC REAL ESTATE INVESTMENT TRUST REIT  
 SUNTORY BEVERAGE & FOOD LTD  
 SUPER RETAIL GROUP LTD  
 SUZUKEN CO LTD  
 SVB FINANCIAL GROUP  
 SVENSKA HANDELSBANKEN SER'A'  
 SWATCH GROUP  
 SWEDBANK AG  
 SWIRE PACIFIC 'A'  
 SWIRE PROPERTIES LTD  
 SWISS LIFE HOLDINGS AG  
 SWISS PRIME SITE  
 SWISS RE AG  
 SWISS AG  
 SYDNEY AIRPORT CORPORATION LTD  
 SYMANTEC CORP  
 SYMRISE AG  
 SYNCHRONY FINL  
 SYNLAIT MILK LTD  
 SYNOPSIS INC  
 SYRAH RES LTD  
 SYSCO CORP  
 SYSMEX CORP  
 T ROWE PRICE GROUP INC  
 T&D HOLDINGS INC  
 TABCORP HOLDINGS LTD  
 TABLEAU SOFTWARE INC  
 TAISEI CORP  
 TAISHO HOLDIN  
 TAIYO NIPPON SANSO CORP  
 TAKEDA PHARMACEUTICAL CO  
 TAKE-TWO INTERACTIVE SOFTWARE INC  
 TAPESTRY INC  
 TARGA RES CORP  
 TARGET CORP  
 TASSAL GROUP  
 TAYLOR WIMPEY ORD  
 TC ENERGY CORPORAT  
 TD AMERITRADE HLDG CORP  
 TDK CORP  
 TE CONNECTIVITY LTD  
 TECHNI CN  
 TECHNOLOGY ONE  
 TECHTRONIC INDUSTR  
 TEIJIN LTD  
 TELE2 AB SER'B'  
 TELE ITALIA SPA  
 TELEFLEX INC  
 TELEFONICA DEUTSCH  
 TELEFONICA SA  
 TELENET GRP HLDG  
 TELENOR ASA ORD  
 TELEPERFORMANCE SOCIETE EUROPEENNE  
 TELIA PANY AB  
 TELSTRA CORP LTD  
 TELUS CORPORATION  
 TEMENOS AG  
 TENARIS SA  
 TERNA SPA ORD  
 TERUMO CORP  
 TESCO ORD  
 TESLA INC  
 TEXAS INSTRUMENTS INC  
 TEXTRON INC  
 THALES SA  
 THE A2 MILK CO LTD  
 THE STAR ENTERTAIN  
 THERMO FISHER CORP  
 THK CO LTD  
 THOMSON REUTERS CORP  
 THYSSENKRUPP AG  
 TIFFANY & CO  
 TJX COS INC  
 T-MOBILE US INC  
 TOBU RAILWAY CO  
 TOHO CO LTD  
 TOHO GAS CO LTD  
 TOHOKU ELEC POWER  
 TOKIO MARINE HOLDINGS INC  
 TOKYO CENTURY CORPORATION  
 TOKYO ELECTRON  
 TOKYO GAS CO LTD  
 TOKYU CORP  
 TOKYU FUDOSAN HOLDINGS CORPORATION  
 TOPPAN PRINTING CO  
 TORAY INDS INC  
 TORCHMARK CORP  
 TORONTO-DOMINION BNK  
 TOSOH CORP  
 TOTAL SYS SVCS INC  
 TOTO LTD  
 TOURMALINE OIL CP

TOYO SEIKAN GROUP HOLDINGS LTD  
 TOYO SUISAN KAISHA  
 TOYODA GOSEI  
 TOYOTA INDUSTRIES  
 TOYOTA MOTOR CORP  
 TOYOTA TSUSHO CORP  
 TPG TELE LTD  
 TRACTOR SUPPLY CO  
 TRANSDIGM GROUP INC  
 TRANSUNION  
 TRANSURBAN GROUP  
 TRAVELERS COS INC  
 TREASURY WINE ESTATES LTD  
 TREND MICRO INC  
 TRIMBLE INC  
 TRIPADVISOR INC  
 TRYG A/S  
 TSURUHA HOLDINGS  
 TUI AG  
 TWILIO INC  
 TWITTER INC  
 TYSON FOODS INC CLA  
 UBER TECHNOLOGIES INC  
 UBISOFT ENTERTAIN  
 UBS GROUP  
 UCB  
 UDR INC  
 UGI CORP  
 ULTA BEAUTY INC  
 UMICORE  
 UNDER ARMOR INC CL A  
 UNDER ARMOUR INC CL C  
 UNIBAIL-RODAMCO  
 UNIBAIL-RODAMCO-WESTFIELD  
 UNICHARM CORP  
 UNICREDIT SPA  
 UNILEVER NV CVA  
 UNILEVER PLC ORD  
 UNION PAC CORP  
 UNITED AIRLINES HOLDINGS INC  
 UNITED INTERNET AG  
 UNITED PARCEL SVC INC CL B  
 UNITED RENTALS INC  
 UNITED TECHNOLOGIES CORP  
 UNITED URBAN INVES REIT  
 UNITED UTILITIES GROUP ORD  
 UNITEDHEALTH GROUP INC  
 UNUM GROUP  
 UOL GROUP LIMITED  
 UPM-KYMMENE CORP  
 US BANCORP  
 USS CO LTD  
 UTD O/S BANK  
 V F CORP  
 VAIL RESORTS INC  
 VALEO  
 VALERO ENERGY CORP  
 VARIAN MEDICAL SYSTEMS INC  
 VEEVA SYS INC CLA  
 VENTAS INC REIT  
 VENTURE CORP LTD  
 VEOLIA ENVIRONNEME  
 VERBUND AG CLASS'A'  
 VERISIGN INC  
 VERISK ANALYTICS INC  
 VERIZON MUNICATIONS  
 VERMILION ENERGY INC  
 VERTEX PHARMACEUTICALS INC  
 VESTAS WIND SYSTEM  
 VIA INC CL B  
 VICINITY CENTRES  
 VIFOR PHARMA AG  
 VILLAGE ROADSHOW  
 VINCI  
 VIRTUS HEALTH LTD  
 VISA INC CLA  
 VISIONEERING TECH  
 VITASOY INTL  
 VIVA ENERGY GROUP  
 VIVA ENERGY REIT  
 VIVENDI SA  
 VMWARE INC CLA  
 VOCUS GROUP LTD  
 VODAFONE GROUP ORD  
 VOESTALPINE AG  
 VOLVO AB SER'B'  
 VONOVIA SE  
 VORNADO RLTY TR  
 VOYA FINL INC  
 VULCAN MATERIALS CO  
 W P CAREY INC  
 WABCO HLDGS INC  
 WABTEC CORP  
 WALGREENS BOOTS ALLIANCE INC  
 WALT DISNEY CO  
 WARTSILA  
 WASTE CONNECTIONS INC  
 WASTE MGMT INC

WATERS CORP  
WAYFAIR INC CLA  
WEBJET LTD  
WEC ENERGY GROUP INC  
WEIR GROUP ORD  
WELCIA HOLDINGS CO LTD  
WELLCARE HLTH PLANS INC  
WELLTOWER INC REIT  
WENDEL  
WESFARMERS LTD  
WEST FRASER TIMBER  
WEST JAPAN RAILWAY  
WESTERN AREAS LIMITED  
WESTERN UNION CO  
WESTGOLD RESOURCES  
WESTLAKE CHEM CORP  
WESTN DIGITAL CORP  
WESTPAC BKG CORP  
WESTROCK CO  
WEYERHAEUSER CO  
WH GROUP LIMITED  
WHARF REAL ESTATE  
WHARF(HLDGS)  
WHEATON PRECIOUS METALS CORP  
WHELOCK & PANY  
WHIRLPOOL CORP  
WHITBREAD ORD  
WILLIAMS CO INC  
WILLIS TOWERS WATSON PLC  
WILMAR INTERNATIONAL LTD  
WIRECARD AG  
WISETECH GLOBAL LT  
WIX.COM LTD  
WM MORRISON SUPERMARKETS ORD  
WOLTERS KLUWER  
WOOD GROUP (JOHN) ORD  
WOODSIDE PETROLEUM  
WOOLWORTHS GRP LTD  
WORKDAY INC CLA  
WORLDLINE  
WORLDPAY INC  
WORLEYPARSONS LIMITED  
WPP AUNZ LTD  
WPP PLC ORD  
WSP GLOBAL INC  
WYNN MACAU LTD  
XEROX CORP  
XILINX INC  
XPO LOGISTICS INC  
XYLEM INC  
YAHOO JAPAN CORP  
YAKULT HONSHA CO  
YAMADA DENKI CO LTD  
YAMAHA CORP  
YAMAHA MOTOR CO  
YAMATO HOLDINGS  
YAMAZAKI BAKING  
YANGZIJIANG SHIPBU  
YARA INTERNATIONAL  
YASKAWA ELECTRIC CORP  
YOKOGAWA ELECTRIC CORP  
YOKOHAMA RUBBER CO  
YUE YUEN INDL HLDG  
YUM BRANDS INC  
ZALANDO SE  
ZAYO GROUP HLDGS INC  
ZEBRA TECHNOLOGIES CORP CLA  
ZIONS BANCORPORATION NA  
ZIP CO LTD  
ZOETIS INC  
ZOZO INC  
ZURICH INSURANCE GROUP AG