



**ACT**  
Government

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Chief Minister, Treasury and  
Economic Development

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

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

1ST CAP REALTY INC	AEROPORTS DE PARIS
1ST QUANTUM MINLS	AFFILIATED MANAGERS GROUP INC
3I GROUP ORD	AFLAC INC COM
3M CO COM	AFTERPAY TOUCH GRP
5TH 3RD BANCORP COM	AGC INC
A.P. MOLLER-MAERSK SER'A'DKK1000	AGEAS
A.P. MOLLER-MAERSK SER'B'DKK1000	AGILENT TECHNOLOGIES INC COM
A2 MILK CO LTD	AGNC INVT CORP COM
ABACUS PROPERTY GR (STAPLED)	AGNICO EAGLE MINES LTD
ABB LTD (REGD)	AIA GROUP LTD
ABBOTT LAB COM	AIB GROUP PLC
ABBVIE INC	AIR CANADA VAR VTG SHS
ABC-MART INC	AIR LIQUIDE(L')
ABIOMED INC COM	AIR PROD & CHEM INC COM
ABN AMRO BANK N.V.	AIR WATER INC
ACCENT GROUP LTD	AIRBUS SE
ACCENTURE PLC SHS CL A NEW	AISIN SEIKI CO
ACCOR	AJINOMOTO CO INC
ACOM CO	AKAMAI TECHNOLOGIES INC
ACS ACTIVIDADES CO	AKER BP ASA
ACTIVISION BLIZZARD INC	AKZO NOBEL NV (POST REV SPLIT)
ACUITY BRANDS INC COM	ALBEMARLE CORP COM
ADECCO GROUP AG (REGD)	ALCON INC
ADELAIDE BRIGHTON	ALEXANDRIA REAL ESTATE EQUITIES INC COM
ADIDAS AG	ALEXION PHARMACEUTICALS INC COM
ADMIRAL GROUP ORD	ALFA LAVAL AB
ADOBE SYS INC COM	ALFRESA HOLDINGS
ADR BEIGENE LTD SPONSORED ADR	ALIGN TECHNOLOGY INC COM
ADR TEVA PHARMACEUTICAL INDS	ALIMENTATION COUCH CLASS'B'S/VTG
ADVANCE AUTO PTS INC COM	ALKERMES PLC SHS
ADVANCED MICRO DEVICES INC COM	ALLEGHANY CORP DEL COM
ADVANTEST CORP	ALLEGION PLC
ADYEN NV	ALLERGAN PLC
AEGON NV	ALLIANCE AVIATION
AENA SME S.A.	ALLIANCE DATA SYS CORP COM
AEON CO LTD	ALLIANZ SE (REGD)(VINKULIERT)
AEON FINANCIAL SERVICE CO LTD	ALLSTATE CORP COM
AEON MALL CO LTD	ALLY FINL INC COM
AERCAP HOLDINGS N.V.	ALNYLAM PHARMACEUTICALS INC COM

ALPHABET INC  
ALPS ALPINE CO LTD  
ALS LIMITED  
ALSTOM  
ALTAGAS INCOME LTD  
ALTICE USA INC  
ALTIUM  
ALUMINA LTD  
AMA GROUP LIMITED  
AMADA HOLDINGS CO LTD  
AMADEUS IT GROUP  
AMAZON INC COM  
AMCOR PLC  
AMCOR PLC ORD  
AMER FINL GROUP INC OH  
AMERCO COM  
AMERICAN EXPRESS CO  
AMERICAN INTERNATIONAL GROUP INC COM  
AMERICAN TOWER CORP  
AMERICAN WTR WKS CO INC  
AMERIPRISE FINL INC COM  
AMERISOURCEBERGEN CORP COM  
AMETEK INC  
AMGEN INC COM  
AMP LIMITED  
AMPHENOL CORP  
AMUNDI  
ANA HOLDINGS INC  
ANALOG DEVICES INC COM  
ANDRITZ AG (BR)  
ANHEUSER-BUSCH INB  
ANNALY CAP MGMT INC COM  
ANSELL  
ANSYS INC COM  
ANTHEM INC COM  
ANTOFAGASTA ORD  
AON PLC COM  
AOZORA BANK  
AP EAGERS LTD  
APA GROUP (STAPLED UNITS)  
APACHE CORP COM  
APPEN LTD  
APPLE INC  
APPLIED MATERIALS INC COM  
APTIV PLC  
ARAMARK COM  
ARB CORPORATION  
ARCH CAPITAL GROUP  
ARCHER-DANIELS-MIDLAND CO COM  
ARCONIC INC COM  
ARDENT LEISURE GRO  
ARISTA NETWORKS INC COM  
ARISTOCRAT LEISURE  
ARKEMA  
AROUNDTOWN SA  
ARROW ELECTR INC COM  
ASAHI GROUP HOLDINGS LTD  
ASAHI INTECC CO LT  
ASAHI KASEI CORP  
ASCENDAS R/EST INV (REIT)  
ASHTED GROUP ORD  
ASM PACIFIC TECH  
ASML HOLDING NV  
ASSA ABLOY SER'B'  
ASSIC GENERALI SPA  
ASSOCD BRIT FOODS ORD  
ASSURANT INC COM  
ASTELLAS PHARMA  
ASTRAZENECA ORD  
ASX LTD  
AT&T INC  
ATCO LTD  
ATHENE HOLDING LTD  
ATLAS ARTERIA (STAPLED)  
ATLAS COPCO AB SER'A'  
ATLAS COPCO AB SER'B'  
ATMOS ENERGY CORP COM  
ATOS SE  
AUCKLAND INTL  
AURELIA METALS LIMITED  
AURIZON HOLDINGS  
AURORA CANNABIS IN

AUSDRILL LIMITED  
AUSNET SERVICES  
AUST & NZ BANK GRP  
AUSTAL LIMITED  
AUSTRALIAN AGRIC  
AUSTRALIAN FINANCE  
AUSTRALIAN PHARMAC  
AUTO TRADER GROUP ORD  
AUTODESK INC  
AUTOLIV INC  
AUTOMATIC DATA PROCESSING INC COM  
AUTOZONE INC COM  
AVALONBAY CMNTYS REIT  
AVENTUS GROUP UNITS  
AVEO GROUP (STAPLED UNITS)  
AVERY DENNISON CORP  
AVIVA ORD  
AXA EQUITABLE HLDGS INC COM  
AXA  
AXALTA COATING SYSTEMS LTD  
AXEL SPRINGER SE (REGD)  
AZRIELI GROUP ILS0.10  
BAE SYSTEMS ORD  
BAKER HUGHES A GE CO  
BALL CORP COM  
BALOISE HOLDING AG (VINKULIERT)  
BANCO SANTANDER  
BANDAI NAMCO HOLDINGS INC  
BANK HAPOALIM B.M. ILS1  
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 (REGD)  
BAPCOR LTD  
BARCLAYS PLC ORD  
BARRATT DEVELOPMENTS ORD  
BARRY CALLEBAUT AG (REGD)  
BASF  
BAUSCH HEALTH COMP  
BAXTER INTL INC COM  
BAYER MOTOREN WERK NON VTG PRF  
BAYERISCHE MOTOREN WERKE A G COM  
BB&T CORP COM  
BBVA(BILB-VIZ-ARG)  
BCE INC  
BCO DE SABADELL  
BCO ESPIRITO SANTO  
BEACH ENERGY LTD  
BECTON DICKINSON & CO COM  
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  
BIOMARIN PHARMACEUTICAL INC  
BIOMERIEUX  
BK LEUMI LE  
BK OF KYOTO LTD  
BK OF NOVA SCOTIA  
BLACKBERRY LTD  
BLACKMORES LTD  
BLACKROCK INC  
BLOCK H & R INC COM  
BLUESCOPE STEEL  
BNP PARIBAS  
BOC HONG KONG HLDG  
BOLIDEN AK  
BOLLORE  
BOMBARDIER INC CLASS'B'SUB-VTG  
BOOKING HLDGS INC COM  
BORAL LIMITED  
BORG WARNER INC COM  
BOSTON SCIENTIFIC CORP COM

BOUYGUES  
BRAMBLES LTD  
BRAVURA SOLUTIONS  
BRENNTAG AG  
BREVILLE GROUP LTD  
BRICKWORKS  
BRIDGESTONE CORP  
BRIGHTHOUSE FINL INC COM  
BRISTOL MYERS SQUIBB CO COM  
BRITISH LAND CO ORD  
BROADINC COM  
BROADRIDGE FINL SOLUTIONS INC  
BROOKFIELD ASSET LIMITED VTG  
BROTHER INDUSTRIES  
BROWN-FORMAN INC CL B NON-VTG COM  
BSTN PPTYS INC  
BT GROUP ORD  
BUNGE LTD  
BUNZL PLC ORD  
BURBERRY GROUP ORD  
BUREAU VERITAS  
BURLINGTON STORES INC  
BWP TRUST  
BWX LTD  
C H ROBINSON WORLDWIDE INC  
CABOT OIL & GAS CORP COM  
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 CLASS'A'CUM NON-VTG  
CANON INC  
CANOPY GROWTH CORP  
CAPGEMINI  
CAPITAL ONE FINL CORP  
CAPITALAND COMM TR (REIT)  
CAPITALAND LTD  
CAPITALAND MALL TRUST  
CAPRI HOLDINGS LTD  
CAPRICORN METALS L  
CAPRICORN METALS PLACEMENT  
CARDINAL HLTH INC  
CARL ZEISS MEDITEC  
CARLSBERG SER'B'DKK20  
CARMAX INC  
CARREFOUR SA  
CARSALES.COM LTD  
CASINO GUICH-PERR  
CASIO COMPUTER CO  
CATERPILLAR INC  
CBOE GLOBAL MARKETS INC  
CBRE GROUP INC  
CBS CORP NEW CL B  
CCL INDUSTRIES INC CLASS'B'  
CDK GLOBAL INC  
CDN NATL RAILWAYS  
CDN UTILITIES CLASS'A'COM  
CDW CORP COM  
CEDAR WOODS PROPS  
CELANESE CORP DEL COM SER A STK  
CELGENE CORP COM  
CELLNEX TELECOM SA  
CENTENE CORP DEL COM  
CENTERPOINT ENERGY INC COM  
CENTRAL JAPAN RLWY  
CENTRICA ORD  
CENTURYLINK INC COM  
CERNER CORP COM  
CGI INC  
CHALLENGER LTD  
CHARTER COMMUNICATIONS  
CHARTER HALL EDUCA  
CHARTER HALL GROUP (STAPLED)  
CHARTER HALL LONG (STAPLED)  
CHARTER HALL RETAI UNITS  
CHECK PT SOFTWARE TECHNOLOGIES ORDILS  
CHENIERE ENERGY INC

CHIBA BANK  
 CHIPOTLE MEXICAN GRILL INC  
 CHR. HANSEN HLDG  
 CHUBB LTD ORD  
 CHUGAI PHARMACY CO. LTD  
 CHUGOKU ELECTRIC POWER CO INC  
 CHURCH & DWIGHT INC  
 CI FINANCIAL CORP  
 CIE DE ST-GOBAIN  
 CIGNA CORP  
 CIMAREX ENERGY CO COM  
 CIMIC GROUP LIMITED  
 CIN FNCL CORP COM  
 CINTAS CORP COM  
 CISCO SYSTEMS INC  
 CIT GROUP INC  
 CITIGROUP INC  
 CITIZENS FINL GROUP INC  
 CITRIX SYS INC COM  
 CITY DEVELOPMENTS LTD  
 CK ASSET HOLDINGS LTD  
 CK HUTCHISON HLDGS  
 CLARIANT AG (REGD)  
 CLEANAWAY WASTE MGMT LTD  
 CLINUVEL  
 CLOROX CO COM  
 CME GROUP INC  
 CMS ENERGY CORP COM  
 CNH INDUSTRIAL  
 CNP ASSURANCES  
 COCA COLA BOTTLERS  
 COCA COLA CO COM  
 COCA-COLA AMATIL  
 COCA-COLA EUROPEAN PARTNERS PLC ORD  
 COCA-COLA HBC AG ORD (CDI)  
 COCHLEAR LTD  
 COGNEX CORP COM  
 COGNIZANT TECH SOLUTIONS CORP CL A  
 COLES GROUP LTD  
 COLGATE-PALMOLIVE CO COM  
 COLLINS FOOD LTD  
 COLOPLAST SER'B'DKK1  
 COMCAST CORP NEW-CL A  
 COMERICA INC COM  
 COMFORTDELGRO CORP LTD  
 COMMERZBANK AG  
 COMMONWEALTH BANK OF AUSTRALIA  
 COMPASS GROUP ORD  
 COMPUTERSHARE LTD  
 CONAGRA BRANDS INC  
 CONCHO RES INC  
 CONCORDIA FINL GROUP LT  
 CONS EDISON INC  
 CONSTELLATION BRANDS INC  
 CONSTELLATION SOFT  
 CONTACT ENERGY  
 CONTINENTAL AG ORD  
 CONTINENTAL RES INC COM  
 COOPER COS INC  
 COOPER ENERGY LTD  
 COPART INC  
 CORNING INC  
 CORONADO GLOBAL RESOURCES INC CDI  
 CORPORATE TRAVEL MANAGEMENT LTD  
 CORTEVA INC  
 COSTA GROUP HOLDINGS LIMITED  
 COSTAR GROUP INC COM  
 COSTCO WHOLESALE CORP  
 COTY INC  
 COVESTRO AG  
 COVIVIO  
 CREDIT AGRICOLE SA  
 CREDIT CORP GROUP  
 CREDIT SAISON CO  
 CREDIT SUISSE AG (REGD)  
 CRH ORD  
 CRODA INTL ORD  
 CROMWELL PROP GP (STAPLED UNITS)  
 CRONOS GROUP INC  
 CROWN CASTLE INTL CORP  
 CROWN HLDGS INC COM  
 CROWN RESORTS LIMITED

CSL LTD  
CSR LIMITED  
CSX CORP  
CUMMINS INC  
CVS HEALTH CORP COM  
CYBERAGENT INC  
CYBER-ARK SOFTWARE LTD  
D R HORTON INC COM  
DAI NIPPON PRINTNG  
DAICEL CORPORATION INDS  
DAIFUKU CO LTD  
DAI-ICHI LIFE HOLD  
DAIICHI SANKYO  
DAIKIN INDUSTRIES  
DAIMLER AG ORD (REGD)  
DAIRY FARM INTERNATIONAL HOLDINGS LTD  
DAITO TRUST CONST  
DAIWA HOUSE INDS  
DAIWA HOUSE REIT INVESTMENT CO  
DAIWA SECS GROUP INC  
DANAHER CORP COM  
DANONE  
DANSKE BANK A/S  
DARDEN RESTAURANTS INC COM  
DASSAULT AVIATION  
DASSAULT SYSTEMES  
DAVIDE DE CAMPARI  
DAVITA INC COM  
DBS GROUP HLDGS  
DCC ORD  
DEERE & CO COM  
DELIVERY HERO SE  
DELL TECHNOLOGIES INC COM  
DELTA AIR LINES INC DEL  
DEMANT A/S  
DENSO CORP  
DENTSPLY SIRONA INC COM  
DENTSU INC  
DEUTSCHE BANK AG (REGD)  
DEUTSCHE BOERSE AG (REGD)  
DEUTSCHE LUFTHANSA ORD (REGD)  
DEUTSCHE POST AG (REGD)  
DEUTSCHE TELEKOM (REGD)  
DEUTSCHE WOHNEN SE (BR)  
DEXINC COM  
DEXUS PROPERTY GROUP  
DIAGEO ORD PLC  
DIAMONDBACK ENERGY INC COM  
DICKER DATA LTD SHS  
DIGITAL RLTY TR INC COM  
DIRECT LINE INSURANCE PLC ORD GBP  
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 COM  
DOVER CORP  
DOW INC  
DOWNER EDI LTD  
DROPBOX INC CL A  
DSV PANALPINA A/S  
DTE ENERGY CO COM  
DUFREY AG CHF5 (REGD)  
DUKE RLTY CORP  
DUPONT DE NEMOURS INC  
DXC TECHNOLOGY CO COM  
E TRADE FINL CORP  
E.ON SE  
EAST JAPAN RAILWAY CO  
EAST WEST BANCORP INC COM  
EASTMAN CHEM CO COM  
EASYJET ORD  
EATON CORP PLC COM  
EATON VANCE CORP COM NON VTG  
EBAY INC

ECOLAB INC  
 EDENRED  
 EDISON INTL COM  
 EDWARDS LIFESCIENCES CORP COM  
 EIFFAGE  
 EISAI CO  
 ELANCO ANIMAL HEALTH INC COM  
 ELDERS LIMITED  
 ELECTR ARTS COM  
 ELECTROLUX AB SER'B'  
 ELI LILLY & CO COM  
 ELISA OYJ  
 EMECO HOLD LIMITED  
 EMERSON ELECTRIC CO COM  
 EML PAYMENTS LTD  
 EMPIRE CO CLASS'A'  
 EMS-CHEMIE HLDG AG (REGD)  
 ENAGAS SA  
 ENBRIDGE INC  
 ENCANA CORP  
 ENDESA SA  
 ENERGIAS DE PORTUGAL SA (REGD)  
 ENTERGY CORP  
 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 INDTY CO CL A  
 ERSTE GROUP BANK AG  
 ESSEX PPTY TR REIT  
 ESSILORLUXOTTICA  
 ESSITY AB SER'B'  
 ESTEE LAUDER COMPANIES INC CL A  
 ESTIA HEALTH LTD  
 ETABLISSEMENTEN COLRUYT ORDSHR  
 EURAZEO SE  
 EUROFINS SCIENTIFI  
 EUTELSAT COMMUNICA  
 EVERSOURCE ENERGY COM  
 EVOLUTION MINING  
 EVONIK INDUSTRIES  
 EXACT SCIENCES CORP COM  
 EXELON CORP COM  
 EXOR NV  
 EXPEDIA GROUP INC  
 EXPEDITORS INTL WASH INC COM  
 EXPERIAN ORD  
 EXTRA SPACE STORAGE INC COM  
 F5 NETWORKS INC  
 FACEBOOK INC  
 FACTSET RESH SYS INC  
 FAMILYMART CO LTD  
 FANUC CORP  
 FAR LIMITED  
 FAST RETAILING CO LTD  
 FASTENAL CO COM  
 FAURECIA S.E.  
 FEDERAL RLTY INVNT TR SH BEN INT  
 FEDEX CORP COM  
 FERGUSON PLC ORD  
 FERRARI NV  
 FERROVIAL SA  
 FIAT CHRYSLER AUTOMOBILES NV  
 FIDELITY NATL FINL INC  
 FIDELITY NATL INFORMATION SVCS INC  
 FINECOBANK SPA  
 FIRST REP BK SAN FRANCISCO CALIF  
 FIRSTENERGY CORP COM  
 FISERV INC COM  
 FISHER & PAYKEL ORD DEFD DELIVERY  
 FLEETCOR TECHNOLOGIES INC COM  
 FLETCHER BUILDING  
 FLEX LTD  
 FLEXIGROUP LIMITED  
 FLIGHT CENTRE TRAVEL GROUP LTD  
 FLIR SYS INC COM  
 FLOWSERVE CORP COM  
 FLUOR CORP  
 FLUTTER ENTERTAINMENT PLC



FMC CORP  
 FORD MTR CO DEL  
 FORTESCUE METALS GRP LTD  
 FORTINET INC COM  
 FORTIS INC  
 FORTIVE CORP  
 FORTUM OYJ  
 FORTUNE BRANDS HOME & SEC INC COM  
 FOX CORP CL A CL A  
 FOX CORP CL B CL B  
 FRANCO NEVADA CORP  
 FRAPORT (FRANKFURT AIRPORT SERVICES)  
 FREEDOM FOODS GROUP LIMITED  
 FRESENIUS MEDICAL CARE  
 FRESENIUS SE&KGAA  
 FRESNILLO PLC ORD  
 FRKLN RES INC COM  
 FUCHS PETROLUB SE  
 FUJI ELECTRIC HOLINDGS CO  
 FUJIFILM HOLDINGS CORP  
 FUJITSU Y50  
 FUKUOKA FINANCIAL  
 G.U.D. HOLDINGS  
 G4S PLC ORD  
 G8 EDUCATION LTD  
 GALAXY ENTERTAINMENT  
 GALAXY RES LTD  
 GALLAGHER ARTHUR J & CO COM  
 GALP ENERGIA SGPS  
 GAP INC COM  
 GARMIN LTD  
 GARTNER INC  
 GDI PROPERTY GROUP (STAPLED UNITS)  
 GEA GROUP AG  
 GEBERIT AG (REGD)  
 GECINA  
 GENERAL DYNAMICS CORP COM  
 GENERAL ELECTRIC CO  
 GENERAL MILLS INC COM  
 GENMAB AS DKK1  
 GENTING SINGAPORE LTD  
 GENUINE PARTS CO COM  
 GENWORTH MORTGAGE INSURANCE AUS LTD  
 GEORGE WESTON  
 GETLINK SE  
 GILDAN ACTIVEWEAR  
 GILEAD SCIENCES INC  
 GIVAUDAN SA  
 GJENSIDIGE FORSIKR  
 GLAXOSMITHKLINE ORD  
 GLOBAL PMTS INC COM  
 GLOBE LIFE INC COM  
 GMO PAYMENT GATEWA  
 GODADDY INC CL A CL A  
 GOLD ROAD RES LTD  
 GOLDEN AGRI-RESOURCES LTD  
 GOLDMAN SACHS GROUP INC  
 GOODMAN GROUP  
 GPE BRUXELLES LAM  
 GPT GROUP (STAPLED SECURITIES)  
 GRAINCORP 'A'  
 GRAINGER W W INC COM  
 GREAT WEST LIFECO  
 GRIFOLS SA  
 GROWTHPOINT PROPER A-REIT  
 GRUBHUB INC COM  
 GVC HLDGS PLC ORD  
 GWA GROUP LTD  
 H&R REAL ESTATE INVT TR  
 H.LUNDBECK A/S  
 HAKUHODO DY HLDGS  
 HALLIBURTON CO COM  
 HALMA ORD  
 HAMAMATSU PHOTONIC  
 HANESBRANDS INC  
 HANG LUNG PROPERTIES  
 HANG SENG BANK  
 HANKYU HANSHIN HOLDINGS INC  
 HANNOVER RUECK SE ORD (REGD)  
 HANSEN TECHNOLOGIE  
 HARGREAVES LANSDOW ORD  
 HARLEY DAVIDSON

HARTFORD FINL SVCS GROUP INC  
HARVEY NORMAN HLDG  
HASBRO INC COM  
HCA HEALTHCARE INC  
HCP INC COM REIT  
HD SUPPLY HLDGS INC.  
HEALIUS LTD  
HEICO CORP NEW CL A  
HEICO CORP  
HEINEKEN HOLDING  
HEINEKEN NV  
HELMERICH & PAYNE INC COM  
HENDERSON LAND DEVELOPMENT  
HENKEL AG & CO KGAA NON-VTG PRF  
HENKEL AG & CO KGAA (BR)  
HENNES & MAURITZ SER'B'  
HENRY SCHEIN INC  
HERMES INTL  
HERSHEY COMPANY  
HESS CORP  
HEWLETT PACKARD ENTERPRISE CO COM  
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 COM  
HOLOGIC INC COM  
HOME DEPOT INC COM  
HONDA MOTOR CO  
HONEYWELL INTL INC  
HONG KONG & CHINA GAS  
HONG KONG EXCHANGES & CLEAR

HONGKONG LAND HLD ORD (SINGAPORE REG)  
HORMEL FOODS CORP COM  
HOSHIZAKI CORP  
HOST HOTELS & RESORTS INC REIT  
HOYA CORP  
HP INC COM  
HSBC HLDGS ORD (UK REG)  
HT & E LTD  
HUB24 LIMITED  
HUGO BOSS AG  
HULIC COMPANY LTD  
HUMANA INC COM  
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 COM  
HYSAN DEVELOPMENT  
IA FINANCIAL CORP  
IAC / INTERACTIVECORP  
IBERDROLA SA  
ICA GRUPPEN AB  
ICADE (POST MERGER)  
ICL-ISRAEL CHEM ILS1  
IDEMITSU KOSAN CO  
IDEX CORP COM  
IDEXX LABS INC COM  
IDP EDUCATION LTD  
IGM FINANCIAL INC  
IHI CORPORATION  
IHS MARKIT LTD  
IIDA GROUP LTD  
ILIAD  
ILL TOOL WKS INC COM  
ILLUMINA INC COM  
ILUKA RESOURCES  
IMERYS  
INCITEC PIVOT  
INCYTE CORP

INDEPENDENCE GROUP  
INDITEX (IND.DE DISENO TEXTIL SA)  
INDUSTRIVARDEN AB SER'C'  
INFIGEN ENERGY LTD  
INFINEON TECHNOLOG ORD (REGD)  
INFORMA PLC (GB) ORD  
ING GROEP N.V.  
INGENICO GROUP  
INGERSOLL-RAND PLC  
INGHAMS GROUP LTD  
INGREDION INC COM  
INS AUSTRALIA  
INTACT FINL CORP  
INTEGRATED RESEARC  
INTEL CORP COM  
INTER PIPELINE LTD  
INTERCONTINENTAL EXCHANGE INC COM  
INTERCONTL HOTELS ORD  
INTERNATIONAL BUSINESS MACHS CORP COM  
INTERPUBLIC GROUP COMPANIES INC COM  
INTERTEK GROUP ORD  
INTESA SANPAOLO  
INTL FLAVORS & FRAGRANCES INC  
INTL PAPER CO  
INTUIT COM  
INTUITIVE SURGICAL INC  
INVESCO LTD  
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 INC  
IRESS LIMITED  
IRON MTN INC  
ISETAN MITSUKOSHI  
ISRAEL DISCOUNT BK  
ISS A/S DKK1  
ISUZU MOTORS  
ITOCHU TECHNO-SOLUTIONS CORPORATION  
ITV ORD  
J FRONT RETAILING  
JACK HENRY & ASSOC INC  
JACOBS ENGR GROUP INC  
JAMES HARDIE INDUSTRIES PLC  
JANUS HENDERSON GR CDI REP ORD SHARES  
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 COM  
JERONIMO MARTINS  
JGC HLDGS CORP  
JOHNSON & JOHNSON COM  
JOHNSON CTLS INTL PLC  
JOHNSON MATTHEY  
JONES LANG LASALLE INC  
JPMORGAN CHASE & CO COM  
JSR CORP  
JTEKT CORPORATION  
JULIUS BAER GRUPPE  
JUMBO INTERACTIVE  
JUNIPER NETWORKS INC  
JUPITER MINES LIMITED  
JXTG HOLDINGS INC  
KAJIMA CORP  
KAKAKU.COM. 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 ELEC RY CO  
KELLOGG CO  
KEPPEL CORP  
KERING  
KERRY GROUP 'A'ORD  
KERRY PROPERTIES  
KEYCORP  
KEYENCE CORP  
KEYERA CORP  
KEYSIGHT TECHNOLOGIES INC  
KIKKOMAN CORP  
KIMBERLY-CLARK CORP  
KIMCO RLTY CORP  
KINDER MORGAN INC DEL COM  
KINGFISHER ORD  
KINGSPAN GROUP ORD  
KINNEVIK AB SER'B'  
KINROSS GOLD CORP COM  
KINTETSU GROUP HOLDINGS CO LTD  
KION GROUP AG  
KIRIN HOLDINGS CO  
KIRKLAND LAKE GOLD  
KKEIO CORPORATION  
KKR & CO INC CL A  
KLA CORPORATION  
KLEPIERRE  
KNIGHT-SWIFT TRANSN HLDGS INC  
KNORR BREMSE AG  
KOBAYASHI PHARMACEUTICALS  
KOBESTEEL LTD  
KOGAN.COM LTD  
KOHLS CORP COM  
KOITO MFG CO LTD  
KOMATSU  
KON AHOLD DELHAIZE  
KONAMI HOLDINGS CO  
KONE CORPORATION ORD 'B'  
KONICA MINOLTA 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 (REGD)  
KURARAY CO  
KURITA WATER INDS  
KYOCERA CORP  
KYOWA KIRIN CO LTD  
KYUSHU ELEC POWER  
KYUSHU RAILWAY COR  
L BRANDS INC COM  
L E LUNDBERGFORETA SER'B'  
L3HARRIS TECHNOLOGIES INC  
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 COM  
LEGRAND SA  
LEIDOS HLDGS INC COM  
LENDLEASE CORP LTD (STAPLED)  
LENNAR CORP CL A  
LENNOX INTL INC COM  
LEONARDO SPA  
LIBERTY BROADBAND CORP  
LIBERTY GLOBAL PLC -SERIES C COM  
LIBERTY GLOBAL PLC

LIBERTY MEDIA CORP DEL COM SER A GROUP  
 LIBERTY MEDIA CORP DEL COM SER C GROUP  
 LIBERTY MEDIA CORPORATION  
 LIBERTY PPTY TR SH BEN INT  
 LINCOLN NATL CORP  
 LINDE PLC  
 LINDT & SPRUENGLI (PTG CERT)  
 LINDT & SPRUENGLI (REGD)  
 LINE CORP  
 LINK ADMINISTRATIO  
 LINK REAL ESTATE INVESTMENT  
 LION CORP  
 LIVE NATION ENTERTAINMENT INC  
 LIXIL GROUP CORPORATION  
 LKQ CORP COM LKQ CORP  
 LLOYDS BANKING GP ORD  
 LOBLAWS COS LTD  
 LOEWS CORP  
 LONDON STOCK EXCHANGE GROUP ORD  
 LONZA GROUP AG (REGD)  
 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 N V  
 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  
 MARATHON OIL CORP COM  
 MARATHON PETE CORP COM  
 MARKEL CORP HOLDING CO COM  
 MARKETAXESS HLDGS INC  
 MARKS & SPENCER GP ORD  
 MARRIOTT INTL INC NEW CL A  
 MARSH & MCLENNAN CO'S INC COM  
 MARTIN MARIETTA MATLS INC COM  
 MARUBENI CORP  
 MARUI GROUP CO LTD  
 MARUICHI STEEL TUBE LTD  
 MARVELL TECH GROUP  
 MASCO CORP COM  
 MASTERCARD INC CL A  
 MAXIM INTEGRATED PRODS INC COM  
 MAYNE PHARMA GROUP LIMITED  
 MAZDA MOTOR CORP  
 MC CORMICK & CO INC COM NON-VTG  
 MC DONALDS CORP COM  
 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 LIMITED  
 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 (NEW)  
METRO INC  
METSO OYJ  
METTLER-TOLEDO INTL INC COM  
MGM CHINA HLDGS LT  
MGM RESORTS INTERNATIONAL COM  
MICHELIN (CGDE)  
MICRO FOCUS INTERNATIONAL PLC ORD  
MICROCHIP TECHNOLOGY INC  
MICRON TECH INC  
MICROSOFT CORP COM  
MID-AMER APT CMNTYS INC COM  
MIDDLEBY CORP COM  
MIDWAY LTD  
MILLICOM INTERNATIONAL  
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  
MIZRAHI TEFAHOT BANK LTD ILS0.01  
MIZUHO FINANCIAL GROUP  
MOELIS AUSTRALIA  
MOHAWK INDS INC COM  
MOLSON COORS BREWING COM CL B  
MONADELPHOUS GROUP  
MONCLER SPA  
MONDELEZ INTL INC COM  
MONDI PLC GBP  
MONEY3 CORPORATION  
MONGODB INC CL A  
MONOTARO CO.LTD  
MOODYS CORP COM  
MORGAN STANLEY  
MOSAIC CO/THE  
MOTORCYCLE HLDGS L  
MOTOROLA SOLUTIONS INC  
MOUNT GIBSON IRON  
MOWI ASA  
MS&AD INS GP HLDGS  
MSCI INC COMMON  
MTR CORP HKD1  
MTU AERO ENGINES A (REGD)  
MUENCHENER RUECKVE (REGD)  
MURATA MANUFACTURING CO.  
MYER HOLDINGS LTD  
N V R INC COM  
NABTESCO CORP  
NAGOYA RAILROAD CO LTD  
NANOSONICS LTD  
NASDAQ INC  
NATIONAL GRID ORD  
NATIONAL OILWELL VARCO  
NATIONAL RETAIL PPTYS INC  
NATIONAL STORAGE R REIT STAPLED UNIT  
NATIXIS EUR1.6(POST SUBDV)  
NATL AUSTRALIA BK  
NATL BK OF CANADA  
NATURGY ENERGY GROUP SA  
NAVIGATOR GLOBAL I  
NEARMAP LTD  
NEC CORP  
NEKTAR THERAPEUTICS COM  
NESTE OYJ  
NESTLE SA (REGD)  
NETAPP INC  
NETFLIX INC  
NETWEALTH GROUP  
NEW WORLD DEVELOPMENT CO  
NEWCREST MINING LTD  
NEWELL BRANDS INC COM

NEWMONT GOLDCORP CORPORATION  
 NEXON CO LTD  
 NEXT ORD  
 NEXTDC LTD  
 NEXTERA ENERGY INC COM  
 NGK INSULATORS LTD  
 NGK SPARK PLUG CO  
 NH FOODS LTD  
 NIB HOLDINGS LTD  
 NICE LTD ILS1  
 NICK SCALI  
 NIDEC CORPORATION  
 NIELSEN HOLDINGS PLC COMSTK  
 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 COM  
 NISSAN CHEMICAL CORPORATION  
 NISSHIN SEIFUN GRP  
 NISSIN FOODS HOLDINGS CO LTD  
 NITORI HOLDINGS  
 NITTO DENKO CORP  
 NMC HEALTH PLC ORD  
 NN GROUP N.V.  
 NOBLE ENERGY INC COM  
 NOKIA OYJ  
 NOKIAN RENKAAT OYJ  
 NOMURA HOLDINGS  
 NOMURA REAL ESTATE MASTER FU  
 NOMURA RESEARCH INSTITUTE  
 NOMURA RL EST INC  
 NORDEA BANK ABP  
 NORDSTROM INC COM  
 NORFOLK SOUTHN CORP COM  
 NORSK HYDRO ASA  
 NORTHERN STAR RESOURCES LTD  
 NORTHERN TR CORP  
 NORTHROP GRUMMAN CORP  
 NORWEGIAN CRUISE LINE HLDGS LTD  
 NOVO-NORDISK AS DKK0.2 SERIES'B'  
 NOVOZYMES A/S SERIES'B'DKK2  
 NRW HOLDINGS LTD  
 NSK LTD  
 NTT DATA CORP  
 NTT DOCOMO  
 NUCOR CORP COM  
 NUFARM  
 NUTRIEN LTD  
 NVIDIA CORP COM  
 NWS HOLDINGS LTD  
 NXP SEMICONDUCTORS N V  
 NZME LTD  
 O REILLY AUTOMOTIVE INC  
 OBAYASHI CORP  
 OBIC CO LTD  
 OCADO GROUP PLC ORD  
 ODAKYU ELEC RLWY  
 OFX GROUP LTD  
 OIL SEARCH LTD  
 OJI HOLDINGS CORP  
 OKTA INC CL A  
 OLD DOMINION FREIGHT LINE INC COM  
 OMNIGROUP INC COM  
 OMRON CORP  
 OMV AG  
 ON SEMICONDUCTOR CORP COM  
 ONEOK INC  
 ONEX CORP SUB-VTG  
 ONO PHARMACEUTICAL  
 OOH MEDIA LIMITED  
 OPEN TEXT CO  
 ORACLE CORP COM  
 ORACLE CORP JAPAN  
 ORANGE

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 COM  
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 (BR)  
PARK 24 CO LTD  
PARKER-HANNIFIN CORP COM  
PARSLEY ENERGY INC CL A  
PARTNERS GROUP HLG (REGD)  
PAYCHEX INC COM  
PAYSOFTWARE INC COM  
PAYPAL HLDGS INC COM  
PCCW LIMITED  
PEARSON ORD  
PEMBINA PIPELINE CORPORATION  
PENDAL GROUP LTD  
PENTAIR PLC  
PEOPLES UTD FINL INC COM  
PEPSICO INC COM  
PEPTIDREAM INC  
PERKINELMER INC COM  
PERNOD RICARD  
PERPETUAL LIMITED  
PERRIGO COMPANY LIMITED  
PERSEUS MINING LTD  
PERSIMMON ORD  
PERSOL HOLDINGS CO  
PEUGEOT SA  
PFIZER INC COM  
PHILLIPS 66 COM  
PIGEON CORP  
PILBARA MINERALS  
PINNACLE INV MGMT  
PINNACLE W. CAP CORP COM  
PIONEER NAT RES CO COM  
PIRELLI & C SPA  
PLATINUM ASSET MAN  
PNC FINANCIAL SERVICES GROUP  
POLA ORBIS HLDG IN  
POLARIS INC  
POSTE ITALIANE SPA  
POWER ASSETS HLDGS  
POWER CORP CANADA SUB-VTG  
POWER FINL CORP  
PPG IND INC COM  
PPL CORP COM  
PRAIRIESKY ROYALTY  
PREMIER INVS  
PRINCIPAL FINL GROUP INC  
PRO MEDICUS  
PROCTER & GAMBLE  
PROGRESSIVE CORP OH COM  
PROLOGIS INC COM  
PROSUS N.V.  
PROXIMUS  
PRUDENTIAL FINL INC COM  
PRUDENTIAL  
PRYSMIAN SPA  
PTC INC COM  
PUB SERVICE ENTERPRISE GROUP INC COM  
PUB STORAGE COM  
PUBLICIS GROUPE SA



PULTE GROUP INC  
PUMA SE  
PVH CORP  
QANTM INTELLECTUAL  
QBE INS GROUP  
QIAGEN NV  
QORVO INC COM  
QUALCOMM INC COM  
QUBE HOLDINGS LIMITED  
QUEBECOR INC CLASS'B'SUB-VTG  
QUEST DIAGNOSTICS INC COM  
RAIFFEISEN BK INTL (REGD)  
RAKUTEN INC  
RALPH LAUREN CORP CL A  
RAMSAY HEALTH CARE  
RANDSTAD N.V.  
RAYMOND JAMES FNCL INC  
RAYTHEON CO  
REA GROUP LIMITED  
REALTY INCOME CORP COM  
RECKITT BENCK GRP ORD  
RECORDATI  
RECRUIT HLDGS CO L  
RED ELECTRICA CORP  
REECE LTD  
REGENCY CTRS CORP  
REGENERON PHARMACEUTICALS INC  
REGIONS FINL CORP  
REGIS HEALTHCARE LIMITED  
REGIS RESOURCES LT  
REINSURANCE GROUP AMER INC  
RELIANCE WORLDWIDE  
RELX PLC  
REMY COINTREAU  
RENAISSANCE RE HLDGS LTD COM  
RENAULT SA  
RENESAS ELECTRONICS CORPORATION  
RENTOKIL INITIAL ORD  
REPSOL SA  
REPUBLIC SVCS INC COM  
RESMED INC COM  
RESOLUTE MINING  
RESONA HOLDINGS  
RESTAURANT BRANDS INTERN  
RICHEMONT(CIE FIN) CHF1 (REGD)  
RICOH CO LTD  
RINNAI CORP  
RIO TINTO LIMITED  
RIOCAN REAL ESTATE UNIT  
ROBERT HALF INTL INC COM  
ROCHE HLDGS AG GENUSSSCHEINE  
ROCKWELL AUTOMATION  
ROGERS COMMS INC CLASS'B'  
ROHM CO LTD  
ROKU INC COM CL A COM  
ROLLINS INC COM  
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  
RYMAN HEALTHCARE  
RYOHIN KEIKAKU CO  
S&P GLOBAL INC COM  
S.W. AIRL CO COM  
SABRE CORP COM  
SAFRAN SA  
SAGE GROUP  
SAINSBURY(J) ORD  
SALESFORCE COM 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  
 SAREPTA THERAPEUTICS INC  
 SARTORIUS AG NON VTG PRF  
 SARTORIUS STEDIM B  
 SATS LTD  
 SBA COMMUNICATIONS CORP  
 SBI HLDGS INC  
 SCA PROPERTY GROUP (STAPLED)  
 SCENTRE GROUP  
 SCHIBSTED ASA SER'B'NOK0.5  
 SCHINDLER-HLDG AG (PTG CERT)  
 SCHINDLER-HLDG AG (REGD)  
 SCHLUMBERGER LTD COM  
 SCHNEIDER ELECTRIC  
 SCHRODERS VTG SHS  
 SCHWAB CHARLES CORP  
 SCOR SE  
 SEAGATE TECHNOLOGY PLC  
 SEALED AIR CORP  
 SEATTLE GENETICS INC COM  
 SEB SA  
 SECOM CO  
 SECURITAS SER'B'  
 SEEK LIMITED  
 SEGA SAMMY HLDGS I  
 SEGRO PLC ORD  
 SEI INVTS CO COM  
 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 EACH REP 1 'A'  
 SEVEN & I HOLDINGS  
 SEVEN BANK  
 SEVEN GROUP HLDGS  
 SEVEN WEST MEDIA LIMITED  
 SEVERN TRENT ORD  
 SG FLEET GROUP LTD  
 SG HOLDINGS CO LTD  
 SGS SA CHF1 (REGD)  
 SHANGRI-LA ASIA  
 SHARP CORP  
 SHAVER SHOP GROUP  
 SHAW COMMUNICATION 'B'CNV  
 SHERWIN-WILLIAMS CO COM  
 SHIMADZU CORP  
 SHIMAMURA CO  
 SHIMANO INC  
 SHIMIZU CORP  
 SHIN-ETSU CHEMICAL  
 SHINSEI BANK  
 SHIONOGI & CO LTD  
 SHISEIDO CO LTD  
 SHIZUOKA BANK  
 SHOPIFY INC COM CL A  
 SHOWA DENKO KK  
 SIEMENS AG (REGD)  
 SIEMENS GAMESA RENEWABLE ENERGY  
 SIEMENS HEALTHINEE  
 SIGMA HEALTHCARE L  
 SIGNATURE BK NY N Y COM  
 SIKA AG -ORDSHR VOTING BO  
 SILVER LAKE RES  
 SIMON PROPERTY GROUP INC COM  
 SIMS METAL MANAGEMENT LTD  
 SINGAPORE AIRLINES  
 SINGAPORE EXCHANGE  
 SINGAPORE PRESS HOLDINGS  
 SINGAPORE TECHNOLOGIES ENGINEERING  
 SINGAPORE TELECOMMUNICATIONS  
 SINO LAND CO  
 SIRIUS XM HLDGS INC COM

SKAND ENSKILDA BKN SER'A'  
 SKANSKA AB SER'B'  
 SKF AB SER'B'  
 SKYCITY ENTERTAINMENT GROUP LIMITED  
 SKYWORKS SOLUTIONS INC COM  
 SL GREEN RLTY CORP  
 SMARTCENTRES REIT VARIABLE VTG UNITS  
 SMARTGROUP CORPORATION LIMITED  
 SMITH & NEPHEW ORD  
 SMITH A O CORP COM  
 SMITHS GROUP ORD  
 SMUCKER J M CO  
 SMURFIT KAPPA GROUP PLC ORD  
 SNAM  
 SNAP INC SNAP INC  
 SNAP-ON INC COM  
 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 HOL  
 SOUTHN CROSS MEDIA GROUP  
 SPARK INFR GROUP STAPLED  
 SPARK NEW ZEALAND LTD COM  
 SPECTRUM BRANDS HLDGS INC  
 SPEEDCAST INTL LTD  
 SPIRAX-SARCO ENGINEERING  
 SPIRIT AEROSYSTEMS HLDGS INC CL A  
 SPLUNK INC  
 SPRINT CORP  
 SQUARE INC  
 SS&C TECHNOLOGIES HLDGS  
 SSE PLC ORD  
 ST BARBARA LIMITED  
 ST JAMES'S PLACE ORD  
 STANDARD CHARTERED PLC  
 STANLEY BLACK & DECKER INC COM  
 STANLEY ELECTRIC  
 STARBUCKS CORP COM  
 STARS GROUP INC  
 STATE STR CORP COM  
 STD LIFE ABERDEEN ORD  
 STEADFAST GROUP  
 STEEL DYNAMICS INC COM  
 STERIS PLC ORD  
 STMICROELECTRONICS  
 STOCKLAND (STAPLED)  
 STORA ENSO OYJ SER'R'  
 STRAUMANN HLDG (REGD)  
 STRYKER CORP  
 SUBARU CORPORATION  
 SUEZ EUR4  
 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 COMMUNITIES INC COM  
 SUN HUNG KAI PROP  
 SUN LIFE FINL INC  
 SUN TR BANKS INC COM  
 SUNCORP GROUP LIMITED DEFERR  
 SUNDRUG CO LTD  
 SUNLAND GROUP LTD  
 SUNTEC REAL ESTATE INVESTMENT TRUST REIT  
 SUNTORY BEVERAGE  
 SUPER RETAIL GROUP LTD  
 SUZUKEN CO LTD  
 SVB FINANCIAL GROUP

SVENSKA HANDELSBANKEN SER'A' (P/S)  
 SWATCH GROUP (REGD)  
 SWATCH GROUP (BR)  
 SWEDBANK AB SER'A'  
 SWIRE PACIFIC 'A'  
 SWIRE PROPERTIES LTD  
 SWISS LIFE HOLDINGS AG  
 SWISS PRIME SITE  
 SWISS RE AG  
 SWISSCOM AG (REGD)  
 SYDNEY AIRPORT CORPORATION LTD  
 SYMANTEC CORP COM  
 SYMRISE AG (BR)  
 SYNCHRONY FINL COM  
 SYNLAIT MILK LTD  
 SYNOPSIS INC COM  
 SYRAH RES LTD  
 SYSCO CORP COM  
 SYSMEX CORP  
 T ROWE PRICE GROUP INC  
 T&D HOLDINGS INC  
 TABCORP HOLDINGS LTD  
 TAISEI CORP  
 TAISHO HOLDIN  
 TAIYO NIPPON SANZO CORP  
 TAKEDA PHARMACEUTICAL CO  
 TAKE-TWO INTERACTIVE SOFTWARE INC  
 TAPESTRY INC  
 TARGA RES CORP COM  
 TARGET CORP  
 TASSAL GROUP  
 TAYLOR WIMPEY ORD  
 TC ENERGY CORPORAT  
 TD AMERITRADE HLDG  
 TDK CORP  
 TE CONNECTIVITY LTD  
 TECHNI CN  
 TECHNOLOGY ONE  
 TECHTRONIC INDUSTR  
 TEIJIN LTD  
 TELE2 AB SER'B'  
 TELECOM ITALIA SPA DI RISP  
 TELECOM ITALIA SPA  
 TELEFLEX INC COM  
 TELEFONICA DEUTSCH  
 TELEFONICA SA  
 TELENET GRP HLDG  
 TELENOR ASA ORD  
 TELEPERFORMANCE SOCIETE EUROPEENNE  
 TELIA COMPANY AB  
 TELSTRA CORP LTD  
 TELUS CORPORATION COM (NON CANADIAN)  
 TEMENOS AG (REGD)  
 TENARIS S.A.  
 TERNA SPA ORD  
 TERUMO CORP  
 TESCO ORD  
 TESLA INC  
 TEXAS INSTRUMENTS INC COM  
 TEXTRON INC COM  
 THALES SA  
 THE STAR ENTERTAIN  
 THERMO FISHER CORP  
 THK CO LTD  
 THOMSON-REUTERS  
 THYSSENKRUPP AG  
 TIFFANY & CO COM  
 TJX COS INC COM NEW  
 T-MOBILE US INC COM  
 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  
 TORONTO-DOMINION

TOSOH CORP  
 TOTO LTD  
 TOURMALINE OIL CP  
 TOYO SEIKAN GROUP HOLDINGS LTD  
 TOYO SUISAN KAISHA  
 TOYODA GOSEI  
 TOYOTA INDUSTRIES  
 TOYOTA MOTOR CORP  
 TOYOTA TSUSHO CORP  
 TPG TELECOM LTD  
 TRACTOR SUPPLY CO COM  
 TRANSDIGM GROUP INC COM  
 TRANSUNION COM  
 TRANSURBAN GROUP STAPLED UNITS  
 TRAVELERS COS INC  
 TREASURY WINE ESTA  
 TREND MICRO INC  
 TRIMBLE INC COM TRIMBLE INC  
 TRIPADVISOR INC  
 TRYG A/S  
 TSURUHA HOLDINGS  
 TUI AG (REGD)  
 TWILIO INC CL A  
 TWITTER INC COM  
 TYSON FOODS INC CL A COM (DELAWARE)  
 UBER TECHNOLOGIES INC  
 UBISOFT ENTERTAIN  
 UBS GROUP (REGD)  
 UCB  
 UDR INC  
 UGI CORP  
 ULTA BEAUTY INC  
 UMICORE  
 UNDER ARMOR INC CL A  
 UNDER ARMOUR INC CL C COM  
 UNIBAIL-RODAMCO  
 UNIBAIL-RODAMCO-WESTFIELD  
 UNICHARM CORP  
 UNICREDIT SPA  
 UNILEVER NV  
 UNILEVER PLC ORD  
 UNION PAC CORP COM  
 UNITED AIRLINES HOLDINGS INC  
 UNITED INTERNET AG (REGD)  
 UNITED PARCEL SVC INC CL B  
 UNITED RENTALS INC COM  
 UNITED TECHNOLOGIES CORP COM  
 UNITED URBAN INVES REIT  
 UNITED UTILITIES GROUP ORD  
 UNITEDHEALTH GROUP INC COM  
 UNUM GROUP  
 UOL GROUP LIMITED  
 UPM-KYMMENE CORP  
 US BANCORP  
 USS CO LTD  
 UTD O/S BANK  
 V F CORP COM  
 VAIL RESORTS INC COM  
 VALEO  
 VALERO ENERGY CORP NEW  
 VARIAN MEDICAL SYSTEMS INC  
 VEEVA SYS INC CL A COM  
 VENTAS INC REIT  
 VENTURE CORP LTD  
 VEOLIA ENVIRONNEME  
 VERBUND AG CLASS'A'  
 VERISIGN INC COM  
 VERISK ANALYTICS INC  
 VERIZON COMMUNICATIONS COM  
 VERMILION ENERGY I  
 VERTEX PHARMACEUTICALS INC COM  
 VESTAS WIND SYSTEM  
 VIACOM INC  
 VICINITY CENTRES  
 VIFOR PHARMA AG  
 VILLAGE ROADSHOW  
 VINCI  
 VIRTUS HEALTH LTD  
 VISA INC COM CL A STK  
 VITASOY INTL  
 VIVA ENERGY GROUP  
 VIVA ENERGY REIT

VIVENDI SA  
 VMWARE INC  
 VOCUS GROUP LTD  
 VODAFONE GROUP ORD  
 VOESTALPINE AG  
 VOLVO AB SER'B'  
 VONOVIA SE  
 VORNADO RLTY TR COM  
 VOYA FINL INC COM  
 VULCAN MATERIALS CO COM  
 W P CAREY INC COM  
 WABCO HLDGS INC  
 WABTEC CORP COM  
 WALGREENS BOOTS ALLIANCE INC COM  
 WALT DISNEY CO  
 WARTSILA  
 WASTE CONNECTIONS INC COM  
 WASTE MGMT INC DEL  
 WATERS CORP COM  
 WAYFAIR INC CL A  
 WEBJET LTD  
 WEC ENERGY GROUP INC COM  
 WEIR GROUP ORD  
 WELCIA HOLDINGS CO LTD  
 WELLCARE HLTH PLANS INC COM  
 WELLTOWER INC COM REIT  
 WENDEL  
 WESFARMERS LTD  
 WEST FRASER TIMBER  
 WEST JAPAN RAILWAY  
 WESTERN AREAS LIMITED  
 WESTERN UNION CO  
 WESTGOLD RESOURCES  
 WESTLAKE CHEM CORP  
 WESTN DIGITAL CORP COM  
 WESTPAC BKG CORP  
 WESTROCK CO COM  
 WEYERHAEUSER CO COM  
 WH GROUP LIMITED COMSTK  
 WHARF REAL ESTATE  
 WHARF(HLDGS)  
 WHEATON PRECIOUS M  
 WHEELOCK & COMPANY  
 WHIRLPOOL CORP COM  
 WHITBREAD ORD  
 WILLIAMS CO INC COM  
 WILLIS TOWERS WATSON PLC  
 WILMAR INTERNATIONAL LTD  
 WIRECARD AG  
 WISETECH GLOBAL LT  
 WIX.LTD  
 WM MORRISON SUPERMARKETS ORD  
 WOLTERS KLUWER  
 WOOD GROUP (JOHN) ORD  
 WOODSIDE PETROLEUM  
 WOOLWORTHS GRP LTD  
 WORKDAY INC CL A  
 WORLDLINE  
 WORLEYPARSONS LIMITED  
 WPP AUNZ LTD  
 WPP PLC ORD  
 WSP GLOBAL INC  
 WYNN MACAU LTD  
 XEROX HLDGS CORP  
 XILINX INC COM  
 XPO LOGISTICS INC COM  
 XYLEM INC COM  
 YAHOO JAPAN CORP  
 YAKULT HONSHA CO  
 YAMADA DENKI CO LTD  
 YAMAHA CORP  
 YAMAHA MOTOR CO  
 YAMATO HOLDINGS  
 YAMAZAKI BAKING  
 YANGZIJIANG SHIPBU (SGD)  
 YARA INTERNATIONAL  
 YASKAWA ELEC CORP  
 YOKOGAWA ELECTRIC  
 YOKOHAMA RUBBER CO  
 YUE YUEN INDL HLDG  
 YUM BRANDS INC COM  
 ZALANDO SE

ZAYO GROUP HLDGS INC COM  
ZEBRA TECHNOLOGIES CORP CL A  
ZIONS BANCORPORATION N A  
ZIP CO LTD  
ZOETIS INC  
ZOZO INC  
ZURICH INSURANCE GROUP AG