

lfd. Nr.	Emittent
1	Emittent
2	1741 Fund Solutions AG
3	3 Banken-Generali Investment-Gesellschaft mbH
4	Abalone AM
5	Aberdeen Global Services S.A.
6	Aberdeen Standard Investments Deutschland AG
7	ABN AMRO Investment Solutions
8	ACATIS Investment Kapitalverwaltungsgesellschaft mbH
9	Accuro Fund Solutions AG
10	AFFM
11	Ahead Wealth Solutions AG
12	Alceda Fund M.
13	Alceda Fund Management S.A.
14	Algebris (UK)
15	AllianceBernstein (Luxembourg) SARL
16	Allianz Global Investors GmbH
17	Allianz Invest Kapitalanlagegesellschaft mbH
18	Alma Capital
19	ALTE LEIPZIGER Trust Investment Gesellschaft mbH
20	Ampega Investment GmbH
21	Amundi Asset Management
22	Amundi Austria GmbH
23	Amundi Deutschland GmbH
24	Amundi Luxembourg S.A.
25	Anaxis Asset Management
26	ANIMA SGR
27	Ashmore Investment Management (Ireland) Limited
28	Aspect Capital Limited
29	Assenagon Asset Management S.A.
30	Atlantis IM (IE)
31	AVANA Invest GmbH
32	Aviva Investors (LU)

33	AXA Fds. Management
34	AXA IM Paris
35	AXA Investment Managers Deutschland GmbH
36	AXA Rosenberg M.(IE)
37	Axxion
38	AZ Fund Management S.A.
39	Baillie Gifford IM Limited
40	Banque de Luxembourg
41	BANTLEON AG
42	Baring Fund Managers Limited
43	BayernInvest (LU)
44	BayernInvest Kapitalanlagegesellschaft mbH
45	Belfius Investment Partners
46	BIL Manage Invest SA
47	BlackRock (Luxembourg) SA
48	BlackRock Asset Management Deutschland AG
49	BlackRock Asset Management Ireland Limited
50	BlueBay Asset Management
51	BNP PARIBAS ASSET MANAGEMENT France
52	BNP PARIBAS ASSET MANAGEMENT Luxembourg
53	BNP Paribas REIM Germany
54	BNY Mellon Asset Management International Limited
55	BNY Mellon Fund M.
56	BNY Mellon Service Kapitalanlage-Gesellschaft mbH
57	BPI Global Investment Fund Management
58	Brandes Investment Partners (Europe) Limited
59	Brookfield Investment Management Inc.
60	Brown Advisory LLC
61	C WORLDWIDE FUND M.
62	CAIAC Fund Management AG
63	Calamos Advisors
64	Candriam Belgium
65	Candriam France

66	Candriam Luxembourg
67	Capital Int. M. Co.
68	Carmignac Gestion
69	Carmignac Gestion LU
70	Carne Gl. Fd. M.(IE)
71	Carne Global Fund Managers (Luxembourg) SA
72	Casa4Funds SA
73	Catella Real Estate
74	CBL Asset Management IPAS
75	Chahine Capital
76	Clartan Associés
77	Classic Fund M.
78	CMI Asset Management (Luxembourg) SA
79	Columbia Threadneedle Investment Funds
80	Comgest AM Int.
81	Commerz Funds Sol.
82	Commerz Real Investmentgesellschaft mbH
83	Conventum Asset Management
84	Coupland Cardiff Asset Management
85	CPR Asset Management
86	Crédit Mutuel Asset Management
87	Credit Suisse Fd. M.
88	Credit Suisse Fund Management S.A.
89	Crestbridge M. Co.
90	Creutz & Partners Global Asset Management
91	Cullen Funds plc
92	D-A-CH Portfolio IE
93	Dalton Strategic Partnership LLP.
94	Danske IM Co.
95	Davy Global Fund Management Limited
96	Davy Investment Fund Services Limited
97	Degroof Petercam AS
98	Degroof Petercam Asset Management SA

99	Deka International
100	Deka Investments
101	Deka Vermögensgmt.
102	Deutsche Bank AG
103	Dimensional Fd. Ad.
104	DJE Kapital AG
105	DNB AM
106	DNCA FINANCE (LU)
107	Dodge & Cox Worldwide Investments Ltd.
108	DWS Grundbesitz GmbH
109	DWS Investment GmbH
110	DWS Investment SA
111	DWS SGIIC
112	Dynasty AM SA
113	E.d.Roth. AM (FR)
114	E.d.Roth. AM (LU)
115	E.I. Sturdza Str. M.
116	East Capital AB
117	Eaton Vance Gl. Ad.
118	EFG Fund Management
119	Eleva Capital SAS
120	ENNISMORE FUND MANAGEMENT
121	Erste Asset Management GmbH
122	ETHENEA Ind. Inv.
123	Eurizon Capital S.A.
124	European Cap.P. (LU)
125	Evli Fund Management Company Ltd.
126	Exane Asset Management
127	Falcon Fund Management AG
128	Federated Int. M.
129	Feri Trust (Luxemburg) S.A.
130	Ferox Capital
131	Fidelity Funds SICAV

132	Fiera Capital
133	FIL Fund M. (IE)
134	FIL Inv.Services(UK)
135	FIMA Global Invest d.o.o.
136	Finaltis
137	Financière de l'Echiquier
138	Finexis
139	First Private Investment Management KAG mbH
140	First State IM (UK)
141	First State Inv.(HK)
142	First Trust Global Fund Plc
143	Fisch Asset Management AG
144	Flossbach von Storch Invest SA
145	Fondita Fund Management Company Ltd.
146	FORT Global UCITS Funds plc
147	Franklin Templeton International Services SARL
148	Fulcrum Asset Management LLP
149	FundLogic Alternatives Plc
150	FundPartner Sol.(EU)
151	FundRock M. Co.
152	FundRock Management Company S.A.
153	GAM (LU)
154	GAM Fund Management Limited
155	GAMAX Management AG
156	GaveKal Fund Management (Ireland) Limited
157	Generali Ins. AM
158	Generali Investment Luxembourg S.A.
159	Global Evolution Manco S.A.
160	Global Funds Management SA
161	Goldman Sachs AM
162	Goldman Sachs Asset Management
163	GreenEffects Investment plc.
164	GS&P Kapitalanlagegesellschaft S.A.

165	GuardCap Asset Management Limited
166	GUTENBERG FINANCE
167	Gutmann KAG
168	Gutmann Kapitalanlagegesellschaft
169	H2O Asset Management LLP
170	Hamon Ireland
171	HANetf Management Limited
172	HANSAINVEST Hanseatische Investment-GmbH
173	HANSAINVEST LUX S.A.
174	Hauck & Aufhäuser Fund Services SA
175	Hedge Invest SGR
176	Helaba Invest Kapitalanlagegesellschaft mbH
177	Heptagon Capital
178	Hermes Fd. M.(IE)
179	Heydt Invest
180	HSBC Global Asset Management (France)
181	HSBC Global Investment Funds SICAV
182	Hugau Gestion
183	IFM Independent Fund Management AG
184	IFOS Internationale Fonds Service AG
185	iM Global Partner Asset Management
186	ING Solutions Investment Management S.A.
187	Innocap Global Investment Management Ltd
188	Insight IM (EU)
189	Insight Investement
190	INTER-PORTFOLIO VWG
191	Internationale Kapitalanlagegesellschaft mbH
192	IntReal Int.R.E. KAG
193	Invesco IM
194	Invesco Management
195	INVL Asset Management
196	IPConcept (LU)
197	IPConcept (Schweiz) AG

198	J O Hambro Capital Management Limited
199	J. Safra Sarasin Fund Management (Luxembourg) S.A.
200	Janus Henderson Investors
201	JPMorgan AM (EU)
202	JPMorgan Asset Management
203	Jupiter Asset Management Limited
204	Jyske Invest Fund Management A/S
205	Kames Capital PLC
206	KanAm Grund Kapitalanlagegesellschaft mbH
207	KanAm Grund KVG
208	KBA Consulting M.
209	KBC AM NV
210	KBC Asset Management
211	KBI Gl. Investors
212	Kempen Capital Management NV
213	KEPLER- FONDS Kapitalanlagegesellschaft mbH
214	Kredietrust Luxembourg S.A.
215	La Française AM
216	La Française AM GmbH
217	La Française AM International
218	La Française Inv.Sol
219	Lacuna Investment
220	Laffitte Capital Management
221	Lampe Asset Management
222	Lazard AM (DE)
223	Lazard Fr. Gestion
224	Lazard Fund M. (IE)
225	LB(Swiss) Investment AG
226	LBBW Asset Management Investmentgesellschaft mbH
227	Legal General Investment Management
228	Legg Mason Inv. (IE)
229	Lemanik AM
230	LGT Capital P. (FL)

231	LGT Capital P. (IE)
232	Link Fd. M. Sol.(IE)
233	Liontrust Fund Partners LLP
234	LLB Fund Services
235	LLB Invest KAG
236	Lombard Odier F.(EU)
237	Lombard Odier Funds (Europe) S.A.
238	Lord Abbett (IE)
239	Lord Abbett & Co LLC
240	LOYS Investment
241	LOYS Investment S.A.
242	LRI Invest
243	Lumyna Investments Limited
244	Lupus alpha Asset Management GmbH
245	Lupus alpha Inv. SA
246	Lyxor Asset Management SAS
247	Lyxor Funds Solutions S.A.
248	Lyxor Int. AM
249	M&G International Investments Ltd.
250	M&G Luxembourg S.A.
251	M&G Securities
252	Macquarie Investment Management Austria Kapitalanlage AG
253	MainFirst Af. Fd. M.
254	Man AM (IE)
255	Mandarine Gestion
256	MASTERINVEST Kapitalanlage GmbH
257	Matthews Asia Funds
258	MDO Management Co.
259	MDO Management Company S.A.
260	MEAG MUNICH ERGO AssetManagement GmbH
261	Mediolanum International Funds Limited
262	Mercer Global Investments Management Ltd
263	Merian Global Investors

264	Metropole Gestion
265	Metzler Asset Management GmbH
266	Metzler Ireland Limited
267	MFS IM Co. (LU)
268	Mirabaud AM (EU)
269	MK Luxinvest
270	MK Luxinvest S.A.
271	ML Capital Asset Management
272	Monega Kapitalanlagegesellschaft mbH
273	Montanaro Asset Management Ltd
274	Montlake Management
275	Morgan Stanley Real Estate Investment GmbH
276	MORI CAPITAL M.
277	Moventum AM
278	MSIM Fund M. (IE)
279	MultiConcept Fund M.
280	Muzinich & Co. (IE)
281	Muzinich & Co. GmbH
282	Natixis Inv. M. Int.
283	Natixis Investment Managers SA
284	NESTOR IM
285	Neuberger Berman(EU)
286	Ninety One
287	Ninety One (LU)
288	NN Inv. Partners
289	Nomura Asset Management Deutschland KAG mbH
290	Nomura Funds IE Plc
291	Noramco Asset Management
292	Nord Est AM
293	Nordea Inv. Funds
294	Notz Stucki & Cie S.A.
295	ODDO BHF AM GmbH
296	ODDO BHF ASSET MANAGEMENT

297	ODDO BHF Asset Management Lux
298	Odey AM
299	OFI Asset Management
300	ÖKOWORLD (LU)
301	Oppenheim Kapitalanlageges.m.b.H.
302	OPTINOVA Investmentaktiengesellschaft
303	Ossiam
304	Paladin Asset Management Investmentaktiengesellschaft
305	Payden & Rygel
306	PGIM FUNDS
307	PHILEAS AM
308	Pictet AM
309	Pictet AM (EU)
310	PIMCO Europe Ltd.
311	PineBridge Inv. (IE)
312	Polar Capital LLP
313	Previor
314	Principal Global Investors (Europe) Limited
315	Putnam Inv. (IE)
316	Pzena Value Funds plc
317	Quint:Essence Capital S.A.
318	R.I. Vermögensbetreuung AG
319	Raiffeisen Kapitalanlage-Gesellschaft mbH
320	RAM Active Investments SA
321	Robeco (LU)
322	Robeco Inst. AM
323	Robeco Luxembourg S.A.
324	Rothschild & Co Asset Management Europe
325	Russell Investments Limited
326	Salus Alpha SICAV
327	Santander Consumer Bank AG
328	Scarabaeus Wealth Management AG
329	Schoellerbank Invest AG

330	Schroder Investment Management (Europe) S.A.
331	Schroder Unit Trusts
332	SEB Asset Management AG
333	SEB Investment
334	Security Kapitalanlage AG
335	Seilern IM (IE)
336	Seven Capital Management
337	Siemens Fonds Invest GmbH
338	SKAGEN Funds
339	smn Investment Services GmbH
340	Société Générale Securities Services Kapitalanlageges.mbH
341	Spängler IQAM Invest GmbH
342	Sparinvest
343	SPARX Funds
344	State Street Fd.S.IE
345	State Street Gl. Ad.
346	Stone Harbor Investment Partners LP
347	Storebrand Asset Management AS
348	Strategic Investments Group
349	Structured Invest SA
350	Superfund Asset Management GmbH
351	Swiss Life AM FR
352	Swiss Life Asset Managers Luxembourg
353	Swiss Life KVG
354	Swisscanto AM Int.
355	Swisscanto Asset Management International S.A.
356	Sycomore Asset Management
357	Sydinvest International
358	Syquant Capital SAS
359	T. Rowe Price Investment
360	Tabula Investment Management Limited
361	Threadneedle M. (LU)
362	TMW Pram. Prop. Inv.

363	TOBAM
364	Tocqueville Finance
365	Tokio Marine Asset Management Co., Limited
366	TreeTop Asset Management S.A.
367	Triodos Bank N.V. Deutschland
368	TT International
369	Tweedy, Browne Co.
370	UBAM SICAV
371	UBS AM (DE)
372	UBS Fund M. (LU)
373	UBS Real Estate
374	UBS TPM. Co.
375	Unigestion
376	Union Inv. Institut.
377	Union Inv.RealEst AT
378	Union Investment Privatfonds GmbH
379	Union Investment(LU)
380	Universal-Inv. (LU)
381	Universal-Investment
382	UTI Int. (SG)
383	Van Eck Investments
384	VanEck Asset Management B.V.
385	Vanguard Group (Ireland) Limited
386	Vector Asset Management SA
387	Veritas Asset Management LLP
388	Vitruvius SICAV
389	Vontobel Asset Management S.A.
390	VP Bank S.A.
391	W&W Asset Management GmbH
392	Wallberg Invest S.A.
393	Warburg Invest
394	WARBURG INVEST KAG
395	Waverton Investment Management Limited

396	Wellington (LU)
397	Wellington Management Funds (Ireland) plc
398	Wells Fargo Securities International Limited
399	Whitehelm Capital
400	Winton Capital Management
401	Wisdom Tree M.
402	WisdomTree Europe Ltd.
403	WWK Investment S.A.
404	Zadig Gestion (Luxembourg) S.A.
405	ZBI Fondsmanagement AG, Erlangen