

Annexes

Annex 1: PCT international applications by origin

Origin	2017	2018 Estimate	Origin	2017	2018 Estimate	Origin	2017	2018 Estimate
Total	243,511	253,000	Total	243,511	253,000	Total	243,511	253,000
Albania	7	0	Guatemala	1	1	Philippines	18	18
Algeria	12	17	Guinea	1	0	Poland	330	335
Andorra	5	7	Guyana	0	1	Portugal	201	250
Antigua and Barbuda	57	96	Hungary	147	153	Qatar	26	15
Argentina	36	42	Iceland	39	49	Republic of Korea	15,751	17,014
Armenia	5	6	India	1,583	2,013	Republic of Moldova	8	5
Australia	1,852	1,825	Indonesia	8	7	Romania	31	28
Austria	1,397	1,475	Iran (Islamic Republic of)	88	176	Russian Federation	1,058	963
Azerbaijan	10	15	Iraq	2	0	Rwanda	0	1
Bahamas	5	4	Ireland	486	620	Saint Kitts and Nevis	1	4
Bahrain	1	1	Israel	1,816	1,899	Samoa	1	1
Barbados	67	96	Italy	3,225	3,337	San Marino	5	3
Belarus	28	23	Jamaica	1	0	Saudi Arabia	378	661
Belgium	1,354	1,295	Japan	48,205	49,702	Senegal	4	4
Belize	2	1	Jordan	6	13	Serbia	19	20
Bosnia and Herzegovina	5	4	Kazakhstan	27	18	Seychelles	4	2
Botswana	1	0	Kenya	8	8	Singapore	867	930
Brazil	589	619	Kuwait	4	6	Slovakia	52	50
Brunei Darussalam	2	1	Lao People's Democratic Republic	0	3	Slovenia	99	116
Bulgaria	50	60	Latvia	26	31	South Africa	295	274
Cambodia	1	0	Lebanon	5	6	Spain	1,418	1,409
Cameroon	1	1	Liberia	1	0	Sri Lanka	19	18
Canada	2,400	2,422	Libya	3	2	Sudan	11	6
Chad	1	0	Liechtenstein	263	263	Sweden	3,975	4,162
Chile	167	245	Lithuania	30	37	Switzerland	4,488	4,568
China	48,905	53,345	Luxembourg	499	392	Syrian Arab Republic	1	1
Colombia	143	163	Madagascar	0	1	Thailand	156	105
Costa Rica	10	13	Malaysia	141	143	Togo	1	0
Côte d'Ivoire	2	0	Malta	97	45	Trinidad and Tobago	3	5
Croatia	35	40	Mauritius	3	4	Tunisia	9	7
Cuba	8	7	Mexico	270	274	Turkey	1,251	1,578
Cyprus	51	40	Monaco	15	21	Uganda	0	1
Czech Republic	184	180	Mongolia	0	2	Ukraine	141	156
Democratic People's Republic of the Congo	2	2	Montenegro	1	8	United Arab Emirates	95	92
Denmark	1,430	1,443	Morocco	47	49	United Kingdom	5,568	5,641
Dominican Republic	13	4	Namibia	2	3	United Republic of	0	2
Ecuador	5	31	Netherlands	4,430	4,138	United States of America	56,676	56,142
Egypt	36	44	New Zealand	273	278	Unknown	244	289
El Salvador	1	1	Nicaragua	0	1	Uruguay	14	8
Estonia	47	48	Niger	0	1	Uzbekistan	4	2
Fiji	0	1	Nigeria	6	2	Vanuatu	1	0
Finland	1,601	1,836	North Macedonia	2	6	Venezuela (Bolivarian)	2	0
France	8,014	7,914	Norway	820	766	Viet Nam	23	22
Georgia	10	6	Oman	3	14	Yemen	0	1
Germany	18,951	19,883	Pakistan	3	0	Zambia	0	2
Greece	110	115	Panama	9	185	Zimbabwe	21	1
			Peru	33	38			

Annex 2: Top PCT applicants

2018 overall position in PCT ranking	Position changed in overall PCT	Applicant's Name	Origin	2017	2018
1	0	HUAWEI TECHNOLOGIES CO., LTD.	China	4,024	5,405
2	2	MITSUBISHI ELECTRIC CORPORATION	Japan	2,521	2,812
3	0	INTEL CORPORATION	U.S.	2,637	2,499
4	1	QUALCOMM INCORPORATED	U.S.	2,163	2,404
5	-3	ZTE CORPORATION	China	2,965	2,080
6	2	SAMSUNG ELECTRONICS CO., LTD.	Republic of Korea	1,757	1,997
7	0	BOE TECHNOLOGY GROUP CO.,LTD	China	1,818	1,813
8	-2	LG ELECTRONICS INC.	Republic of Korea	1,945	1,697
9	1	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	Sweden	1,564	1,645
10	4	ROBERT BOSCH CORPORATION	Germany	1,354	1,524
11	0	MICROSOFT TECHNOLOGY LICENSING, LLC	U.S.	1,536	1,476
12	3	PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD.	Japan	1,280	1,465
13	-4	SONY CORPORATION	Japan	1,735	1,342
14	3	SIEMENS AKTIENGESELLSCHAFT	Germany	1,063	1,211
15	-3	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.	U.S.	1,519	1,170
16	5	SHARP KABUSHIKI KAISHA	Japan	963	1,132
17	23	GUANG DONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD	China	474	1,042
18	-2	KONINKLIJKE PHILIPS ELECTRONICS N.V.	Netherlands	1,077	1,033
19	1	DENSO CORPORATION	Japan	968	998
20	5	LG CHEM, LTD.	Republic of Korea	850	969
21	-2	FUJIFILM CORPORATION	Japan	970	962
22	2	NEC CORPORATION	Japan	899	947
23	6	MURATA MANUFACTURING CO., LTD.	Japan	684	889
24	3	GOOGLE INC.	U.S.	789	836
25	-3	OLYMPUS CORPORATION	Japan	934	750
26	19	GENERAL ELECTRIC COMPANY	U.S.	407	729
27	-4	HITACHI, LTD.	Japan	923	714
28	4	TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED	China	560	661
29	56	SZ DJI TECHNOLOGY CO., LTD	China	238	656
30	0	3M INNOVATIVE PROPERTIES COMPANY	U.S.	678	648
31	-5	HALLIBURTON ENERGY SERVICES, INC.	U.S.	798	634
32	5	SCHAEFFLER TECHNOLOGIES AG & CO. KG	Germany	489	613
33	2	HITACHI AUTOMOTIVE SYSTEMS, LTD.	Japan	503	582
34	-1	BASF SE	Germany	556	557
35	24	NOKIA TECHNOLOGIES OY	Finland	315	551
36	-5	PROCTER & GAMBLE COMPANY	U.S.	566	513
37	19	HONDA MOTOR CO., LTD.	Japan	323	504
38	1	UNIVERSITY OF CALIFORNIA	U.S.	482	501
39	304	SONY SEMICONDUCTOR SOLUTIONS CORPORATION	Japan	69	467
40	-22	SHENZHEN CHINA STAR OPTOELECTRONICS TECHNOLOGY CO., LTD	China	972	463
41	16	NTT DOCOMO, INC.	Japan	317	450
42	-4	SABIC GLOBAL TECHNOLOGIES B.V.	Netherlands	488	446
43	8	FUJITSU LIMITED	Japan	338	442
44	10	ABB SCHWEIZ AG	Switzerland	328	419
45	-3	DOW GLOBAL TECHNOLOGIES INC.	U.S.	421	417
46	-3	BAYERISCHE MOTOREN WERKE AKTIENGESELLSCHAFT	Germany	414	414
47	0	KYOCERA CORPORATION	Japan	377	413
48	0	APPLIED MATERIALS, INC.	U.S.	359	407
49	-5	COMPAGNIE GÉNÉRALE DES ÉTABLISSEMENTS MICHELIN	France	411	406
50	19	WUHAN CHINA STAR OPTOELECTRONICS TECHNOLOGY CO., LTD	China	290	395

Annex 3: Top PCT applicants by educational institution

2018 overall position in PCT ranking	Position changed in overall PCT ranking	Applicant's Name	Origin	2017	2018
38	1	UNIVERSITY OF CALIFORNIA	U.S.	482	501
108	-32	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	U.S.	278	216
119	103	SHENZHEN UNIVERSITY	China	108	201
145	192	SOUTH CHINA UNIVERSITY OF TECHNOLOGY	China	70	170
147	-26	HARVARD UNIVERSITY	U.S.	179	169
158	-22	UNIVERSITY OF TEXAS SYSTEM	U.S.	161	158
181	91	TSINGHUA UNIVERSITY	China	90	137
181	20	SEOUL NATIONAL UNIVERSITY	Republic of Korea	119	137
211	0	LELAND STANFORD JUNIOR UNIVERSITY	U.S.	113	121
219	25	CHINA UNIVERSITY OF MINING AND TECHNOLOGY	China	99	114
242	78	OSAKA UNIVERSITY	Japan	75	105
259	-77	JOHNS HOPKINS UNIVERSITY	U.S.	129	99
273	-53	KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY	Republic of Korea	109	94
280	-49	UNIVERSITY OF TOKYO	Japan	104	92
294	-84	HANYANG UNIVERSITY	Republic of Korea	114	89
300	-20	TOHOKU UNIVERSITY	Japan	88	87
304	0	KYOTO UNIVERSITY	Japan	80	86
324	-80	UNIVERSITY OF MICHIGAN	U.S.	99	81
332	-35	UNIVERSITY OF ARIZONA	U.S.	81	79
332	-143	UNIVERSITY OF FLORIDA	U.S.	126	79
332	-12	OXFORD UNIVERSITY INNOVATION LIMITED	U.K.	75	79
338	-86	KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY	Saudi Arabia	97	78
348	67	CORNELL UNIVERSITY	U.S.	55	76
351	0	PEKING UNIVERSITY	China	67	75
355	7	JIANGNAN UNIVERSITY	China	65	74
365	-93	KOREA UNIVERSITY	Republic of Korea	90	72
365	-77	DUKE UNIVERSITY	U.S.	84	72
379	268	NATIONAL UNIVERSITY OF SINGAPORE	Singapore	37	70
379	9	NORTHWESTERN UNIVERSITY	U.S.	59	70
379	-46	UNIVERSITY OF PITTSBURGH	U.S.	71	70
390	-39	NANYANG TECHNOLOGICAL UNIVERSITY	Singapore	67	68
400	-5	CALIFORNIA INSTITUTE OF TECHNOLOGY	U.S.	58	66
410	49	JIANGSU UNIVERSITY	China	50	64
413	88	YONSEI UNIVERSITY	Republic of Korea	46	63
425	455	VANDERBILT UNIVERSITY	U.S.	27	62
431	148	KYUSHU UNIVERSITY	Japan	41	61
440	-214	COLUMBIA UNIVERSITY	U.S.	107	59
440	-13	ARIZONA STATE UNIVERSITY	U.S.	53	59
449	23	UNIVERSITY OF MARYLAND	U.S.	49	58
449	38	UNIVERSITY OF MASSACHUSETTS	U.S.	47	58
449	-5	ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE	Switzerland	51	58
465	306	CASE WESTERN RESERVE UNIVERSITY	U.S.	31	56
480	-212	UNIVERSITY OF PENNSYLVANIA	U.S.	91	55
494	836	DALIAN UNIVERSITY OF TECHNOLOGY	China	17	53
494	303	NORTH CAROLINA STATE UNIVERSITY	U.S.	30	53
505	292	RESEARCH & BUSINESS FOUNDATION SUNGKYUNKWAN UNIVERSITY	Republic of Korea	30	52
505	37	STATE UNIVERSITY OF NEW YORK	U.S.	43	52
535	893	SHANDONG UNIVERSITY	China	16	49
552	78	INDIAN INSTITUTE OF TECHNOLOGY	India	38	48
552	778	SUN YAT-SEN UNIVERSITY	China	17	48
569	61	ISRAEL INSTITUTE OF TECHNOLOGY	Israel	38	47

Annex 4: PCT international applications by field of technology

Technical Field	2016	2017	2018	2018 share (%)	Growth (%)
I Electrical engineering					
1 Electrical machinery, apparatus, energy	14,474	15,245	16,577	7.0	8.7
2 Audio-visual technology	7,069	7,534	8,203	3.5	8.9
3 Telecommunications	5,203	5,626	6,097	2.6	8.4
4 Digital communication	17,779	18,416	20,271	8.6	10.1
5 Basic communication processes	1,380	1,315	1,703	0.7	29.5
6 Computer technology	17,164	19,137	19,152	8.1	0.1
7 IT methods for management	4,342	4,705	4,789	2.0	1.8
8 Semiconductors	6,545	6,537	7,180	3.0	9.8
II Instruments					
9 Optics	6,609	7,144	7,606	3.2	6.5
10 Measurement	9,340	10,087	10,798	4.6	7.0
11 Analysis of biological materials	1,742	1,891	1,914	0.8	1.2
12 Control	3,668	4,283	5,190	2.2	21.2
13 Medical technology	14,272	15,031	15,826	6.7	5.3
III Chemistry					
14 Organic fine chemistry	5,713	5,683	5,773	2.4	1.6
15 Biotechnology	5,972	6,550	6,608	2.8	0.9
16 Pharmaceuticals	8,216	8,759	9,114	3.8	4.1
17 Macromolecular chemistry, polymers	3,806	3,917	4,238	1.8	8.2
18 Food chemistry	1,947	1,957	2,100	0.9	7.3
19 Basic materials chemistry	5,475	5,640	5,565	2.3	-1.3
20 Materials, metallurgy	3,894	4,090	4,327	1.8	5.8
21 Surface technology, coating	3,280	3,576	3,703	1.6	3.6
22 Micro-structural and nano-technology	369	387	360	0.2	-7.0
23 Chemical engineering	4,357	4,674	4,873	2.1	4.3
24 Environmental technology	2,587	2,646	2,729	1.2	3.1
IV Mechanical engineering					
25 Handling	5,046	5,499	5,868	2.5	6.7
26 Machine tools	3,633	3,586	4,084	1.7	13.9
27 Engines, pumps, turbines	5,607	5,623	5,651	2.4	0.5
28 Textile and paper machines	2,532	2,601	2,750	1.2	5.7
29 Other special machines	5,754	6,417	6,969	2.9	8.6
30 Thermal processes and apparatus	3,146	3,616	3,864	1.6	6.9
31 Mechanical elements	5,759	6,110	6,174	2.6	1.0
32 Transport	8,725	9,760	10,867	4.6	11.3
V Other fields					
33 Furniture, games	4,032	4,406	4,656	2.0	5.7
34 Other consumer goods	4,743	4,992	5,386	2.3	7.9
35 Civil engineering	6,260	6,104	6,108	2.6	0.1

Annex 5: Madrid international applications by origin

Origin	2017	2018 Estimate	Origin	2017	2018 Estimate
Total	57,505	61,200	Total	57,505	61,200
Albania	12	13	Liechtenstein	87	79
Algeria	20	5	Lithuania	120	120
Andorra	0	5	Luxembourg	386	379
Antigua and Barbuda	0	2	Madagascar	2	1
Argentina	3	0	Malaysia	13	9
Armenia	37	35	Malta	72	68
Australia	2,124	2,074	Marshall Islands	0	1
Austria	1,050	1,049	Mauritius	14	12
Azerbaijan	12	5	Mexico	107	98
Bahamas	12	13	Monaco	52	115
Bahrain	0	1	Mongolia	1	9
Barbados	4	3	Montenegro	16	9
Belarus	142	157	Morocco	111	71
Belgium	775	756	Mozambique	4	1
Belize	37	17	Myanmar	0	1
Bermuda	8	11	Namibia	0	4
Bonaire, Sint Eustatius and Saba	1	1	Netherlands	1,419	1,441
Bosnia and Herzegovina	35	29	New Zealand	419	495
Botswana	0	3	North Macedonia	42	29
Brazil	3	6	Norway	376	333
Brunei Darussalam	2	2	Panama	3	5
Bulgaria	190	245	Paraguay	0	1
Cambodia	0	5	Philippines	54	49
Canada	60	95	Poland	417	395
China	6,397	6,900	Portugal	265	253
China, Hong Kong SAR	0	6	Qatar	1	0
Colombia	32	29	Republic of Korea	1,034	1,305
Congo	1	0	Republic of Moldova	49	58
Croatia	110	129	Romania	106	80
Cuba	9	11	Russian Federation	1,462	1,502
Curaçao	11	16	Saint Kitts and Nevis	3	0
Cyprus	204	208	San Marino	10	11
Czech Republic	301	280	Saudi Arabia	3	3
Democratic People's Republic of Korea	6	8	Serbia	180	207
Denmark	598	594	Seychelles	10	3
Dominican Republic	0	1	Singapore	517	667
Egypt	20	13	Sint Maarten (Dutch Part)	1	0
Estonia	73	102	Slovakia	123	90
Finland	542	528	Slovenia	208	188
France	4,260	4,490	South Africa	3	2
Georgia	30	19	Spain	1,317	1,356
Germany	7,319	7,495	Sri Lanka	2	1
Greece	141	118	Suriname	1	0
Guatemala	1	0	Sweden	863	787
Hungary	239	256	Switzerland	3,269	3,364
Iceland	43	59	Syrian Arab Republic	0	10
India	234	308	Tajikistan	0	1
Indonesia	1	47	Thailand	25	140
Iran (Islamic Republic of)	37	14	Tunisia	24	30
Ireland	165	188	Turkey	1,304	1,437
Israel	323	385	Turkmenistan	7	1
Italy	2,877	3,140	Ukraine	389	401
Japan	2,543	3,124	United Arab Emirates	20	32
Jordan	1	0	United Kingdom	3,297	3,347
Kazakhstan	111	74	United Republic of Tanzania	1	0
Kenya	2	9	United States of America	7,889	8,825
Kyrgyzstan	5	2	Unknown	24	18
Lao People's Democratic Republic	2	0	Uzbekistan	16	8
Latvia	109	101	Vanuatu	0	1
Lebanon	1	2	Viet Nam	91	159
Liberia	1	0			

Annex 6: Top Madrid applicants

2018 Rankin	Position Changed	Applicant's Name	Origin	2017	2018
1	4	NOVARTIS AG	Switzerland	96	174
2	-1	L'OREAL	France	198	169
3	33	DAIMLER AG	Germany	37	129
4	3	APPLE INC.	U.S.	74	87
5	25	HENKEL AG & CO. KGAA SOCIETE DE DROIT ALLEMAND	Germany	43	86
6	-3	RICHTER GEDEON NYRT.	Hungary	117	84
7	37	SHISEIDO COMPANY, LTD	Japan	33	79
8	116	NINTENDO CO., LTD.	Japan	17	75
9	4	SAMSUNG ELECTRONICS CO., LTD.	Republic of Korea	61	73
10	-2	BRILLUX GMBH & CO. KG	Germany	73	68
11	2	BIOFARMA	France	61	60
12	5	RIGO TRADING S.A. SOCIETE ANONYME	Luxembourg	57	59
13	-3	BAYERISCHE MOTOREN WERKE AKTIENGESELLSCHAFT	Germany	70	52
14	25	HUAWEI TECHNOLOGIES CO., LTD.	China	36	51
15	7	MICROSOFT CORPORATION	U.S.	53	50
16	n/a	EPIC GAMES, INC.	U.S.	1	48
16	587	EURO GAMES TECHNOLOGY LTD.	Bulgaria	7	48
18	28	SYNGENTA PARTICIPATIONS AG	Switzerland	32	47
19	-6	SOCIETE DES PRODUITS NESTLE S.A.	Switzerland	61	45
20	-3	KONINKLIJKE PHILIPS ELECTRONICS N.V.	Netherlands	57	43
21	43	NIRSAN CONNECT PRIVATE LIMITED	India	24	42
21	n/a	LOTTE CORPORATION	Republic of Korea	0	42
21	36	TRI-COASTAL DESIGN GROUP, INC.	U.S.	27	42
24	172	JOINT STOCK COMPANY GAZPROM NEFT	Russian Federation	13	41
25	-2	BEIERSDORF AG	Germany	50	38
25	-21	ADP GAUSELMANN GMBH	Germany	104	38
25	6	VOLKSWAGEN AG	Germany	41	38
28	-22	ABERCROMBIE & FITCH EUROPE SA	Switzerland	82	37
29	-5	PHILIPS LIGHTING HOLDING B.V.	Netherlands	48	36
29	60	COTY BRANDS MANAGEMENT GMBH	Germany	20	36
29	-13	PHILIP MORRIS PRODUCTS S.A.	Switzerland	59	36
32	-24	KRKA, TOVARNA ZDRAVIL, D.D., NOVO MESTO	Slovenia	73	35
33	n/a	DONGYING BAOLAI JINGU INDUSTRY AND TRADECO.LTD	China	0	33
33	105	DERMAPHARM AG	Germany	16	33
35	76	BIOGENA NATURPRODUKTE GMBH & CO KG	Austria	18	32
35	266	ROCHE DIAGNOSTICS GMBH	Germany	10	32
37	7	SOREMARTEC S.A.	Luxembourg	33	31
37	n/a	LESLI VUURWERK B.V.	Netherlands	0	31
39	21	CHANEL	France	25	30
39	n/a	LG HOUSEHOLD & HEALTH CARE LTD.	Republic of Korea	1	30
39	72	CLARIANT AG	Switzerland	18	30
39	429	EGIS GYOGYSZERGYAR RT.	Hungary	8	30
43	258	mitsubishi electric corporation	Japan	10	29
43	n/a	TREERE INNOVATION S.R.L.	Italy	0	29
45	-25	LIDL STIFTUNG & CO. KG	Germany	56	28
45	222	ACINO PHARMA AG	Switzerland	11	28
45	93	SIEMENS AKTIENGESELLSCHAFT	Germany	16	28
45	n/a	COUPANG CORP.	Republic of Korea	2	28
45	423	AMOREPACIFIC CORPORATION	Republic of Korea	8	28
50	-30	GLAXO GROUP LIMITED	U.K.	56	27
50	47	MIZUNO CORPORATION	Japan	19	27
50	-19	JAGUAR LAND ROVER LIMITED	U.K.	41	27
50	327	ZF FRIEDRICHSHAFEN AG	Germany	9	27
50	61	APPLIED MATERIALS, INC.	U.S.	18	27
50	39	INTERNATIONAL BUSINESS MACHINES CORPORATION	U.S.	20	27
50	715	STEVENS VERTRIEBS GMBH	Germany	6	27
50	n/a	TEMTREE CO., LTD.	Republic of Korea	0	27

Annex 7: Hague international applications by origin

Origin	Applications		Designs	
	2017	2018	2017	2018
Total	5,213	5,404	19,429	19,296
Albania	0	1	0	1
Armenia	1	3	3	19
Australia	4	5	4	5
Austria	52	47	241	210
Bahamas	0	1	0	19
Belgium	72	79	457	172
Bosnia and Herzegovina	2	10	8	56
Bulgaria	15	13	41	38
Canada	4	11	4	16
China	57	138	161	314
China, Hong Kong SAR	1	0	1	0
Croatia	14	17	34	29
Curaçao	0	1	0	1
Cyprus	17	19	395	269
Czech Republic	23	27	151	202
Denmark	85	87	251	276
Egypt	0	2	0	2
Estonia	9	5	13	13
Finland	37	26	81	71
France	404	470	1,396	1,454
Georgia	0	3	0	15
Germany	719	713	4,261	3,964
Greece	9	10	371	410
Hungary	8	4	30	6
Iceland	1	0	1	0
India	1	1	4	1
Indonesia	1	0	1	0
Iran (Islamic Republic of)	0	1	0	1
Ireland	5	6	20	27
Israel	1	1	1	1
Italy	335	322	1,065	1,261
Japan	348	401	831	1,268
Kyrgyzstan	1	0	1	0
Latvia	1	6	1	19
Lebanon	0	1	0	3
Liechtenstein	10	8	87	45
Lithuania	7	3	13	3
Luxembourg	18	32	97	119
Malaysia	0	8	0	8
Malta	2	2	2	2
Monaco	2	6	4	60
Montenegro	1	0	1	0
Morocco	3	0	3	0
Netherlands	173	184	807	1,382
New Zealand	0	4	0	4
North Macedonia	0	1	0	1
Norway	60	51	169	112
Oman	0	1	0	1
Poland	72	105	142	203
Portugal	23	13	80	105
Qatar	1	0	5	0
Republic of Korea	1,011	927	1,742	1,547
Republic of Moldova	1	1	2	1
Romania	7	6	45	12
Russian Federation	0	28	0	100
Serbia	18	22	57	63
Seychelles	0	1	0	9
Singapore	9	20	13	33
Slovakia	11	4	59	10
Slovenia	29	29	120	52
South Africa	0	2	0	2
Spain	44	89	219	193
Sweden	91	107	276	321
Switzerland	680	652	2,935	2,510
Turkey	128	110	421	478
Ukraine	27	41	179	69
United Arab Emirates	1	1	2	1
United Kingdom	129	136	355	373
United States of America	393	353	1,661	1,293
Unknown	35	26	105	41