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Verwaltungsrat

**European  
Patent  
Organisation**

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**Organisation  
européenne des  
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Conseil d'administration

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**CA/F 5/21**

Orig.: en

Munich, 06.10.2021

**SUBJECT:** Statistics 2020

**SUBMITTED BY:** President of the European Patent Office

**ADDRESSEES:** Budget and Finance Committee (for information)

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### SUMMARY

Annual compendium of statistics on the activity at the EPO and at the member state offices in 2020.

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This document has been issued in electronic form only.

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**I. STRATEGIC/OPERATIONAL**

1. Operational

**II. RECOMMENDATION**

2. To take note

**III. MAJORITY NEEDED**

3. n.a.

**IV. CONTEXT**

4. Information to the BFC

**V. RECOMMENDATION FOR PUBLICATION**

5. Yes.

As its previous versions, this document has been compiled with the support of the national offices of the contracting states. Following the decision taken in 2015, subsequent editions of the document have been published. It is recommended to publish the current version as well.

**VI. ANALYSIS**

In the different phases of the patent procedures, the development is expressed in percentage change compared to the previous year. Where appropriate, numbers have been rounded.

**A. KEY RESULTS**

The key results for 2020 are:

- The number of applications at the EPO decreased by 0.6% to ca 180 400.
- About 133 700 European patents (-3%) were published.
- National applications in the member states slightly decreased to 144 700 (-2%).

- 61% of all applications filed in the EPC area (EPO and national offices) originated from the member states.
- National patents granted in the member states increased by 2.5% to ca 68 450.

## **B. EUROPEAN PATENT APPLICATIONS FILED**

See Annex 1.A

European patent applications are either direct European applications or PCT international applications entering the regional phase during the reporting period.

Based on the information available in July 2021, 180 371 applications were filed for European patents in 2020. This was less than 1% below the latest 2019 figure.

Less than half of the applications (45.2%, -0.3%pts) originated from the EPC contracting states. The combined share of the three leading Asian countries slightly increased to 24.6% (+1.1%pts). The share of the U.S. slightly declined to 24.5% (-0.9%).

In 2020, EPC residents filed about 130 940 first filings in the EPC area (at EPO, Annex 1.A and at national offices, Annex 2.A). Of these 77% were filed at the national office of the applicant's residence, 19% were filed at the EPO and 4% were filed at another EPC national office.

The first filings made by EPC residents at the EPO accounted for 30.4% of all the applications filed by EPC residents at the EPO.

## **C. GRANT PROCEDURE**

See Annex 1.B.a

The grant procedure has been completed for 98% of all applications for a European patent filed up until the end of 2015. For these applications the grant rate was 56%. Of those applications filed during the past five years (since the beginning of 2016) 42.6% of the procedures have been completed (+2.1%pts compared to 2019).

The number of published European patents decreased by 3% to 133 715 in 2020 (see Annex 1.C).

As per annex 1.B.d, on average (mean average), a search performed by the EPO was completed in 4.3 months (4.1 in 2019). The examination was completed 23.7 months after the examination request was validly filed with the EPO (26.1 in 2019). The decision by the opposition divisions was notified 15.4 months after the end of the opposition period (17.5 in 2019).

#### **D. OPPOSITION PROCEDURE**

See Annex 1.B.b

The number of patents for which the opposition period expired in 2020 increased to 137 603 by 2.9% and 2.4% of these patents were eventually opposed (2.7% in 2019). Considering that multiple parties can oppose the same patent, the average number of oppositions filed per opposed patent was 1.28 in 2020 (1.22 in 2019).

As shown in the annexed tables, the opposition rate varies among technologies and according to the country of residence of the patentees.

In 2020, 65% of the granted patents were maintained (opposition rejected or maintained in amended form) and 35% were revoked by the opposition divisions (29% in 2019).

#### **E. APPEAL PROCEDURES**

See Annex 1.B.c

The number of decisions to refuse a patent for which the appeal period expired in 2020 decreased by 19% compared to 2019 to 6 947. Of these decisions to refuse a patent 857 (-32%) were appealed, leading to an ex parte appeal rate of 12% (15% in 2019).

The number of opposition decisions open for appeal reduced by half. The number of decisions appealed reduced by two third leading to an inter partes appeal rate of 37% (49% in 2019).

Statistics on the outcome of the appeal procedures are available on the home page of the EPO Boards of Appeal ([epo.org/law-practice/case-law-appeals/annual-report.html](http://epo.org/law-practice/case-law-appeals/annual-report.html)).

## **F. VALIDATION AND MAINTENANCE**

See Annex 1.D

The figures presented in the annexes are based on the data available in the Post Grant Data System of the EPO and reflect the information provided by the national offices of the member states. They represent the situation as at the end of 2020 with respect to the validation and the maintenance of European granted patents in the member states as available in June 2021. A patent is considered as maintained until its abandonment is legally recorded and transmitted to the EPO.

The EP patents validated are maintained on average (median) 11 years. About 18% of the validated rights are maintained up until the expiration of the 20th patent-year.

As a consequence of the increase in granted patents since 2015, the number of those which were validated kept increasing in 2020. But they represent about 35% of the potential rights granted by the EPO. The number of patents granted by the EPO and still in force in the contracting states at the end of the year increased by 19% in 2020, after decreasing by 22% in 2019. Approximately 6.250 million patent rights granted by the EPO were in force at the end of 2020.

There are substantial differences in validation and patent maintenance rate between the designated member states. For patents filed between 2001 and 2020, the validation rate ranges vary widely.

## **G. NATIONAL PROCEDURE**

See Annex 2

National patent applications are either direct national applications or, for member states where it is possible, PCT international applications entering the national phase during the reporting period.

Based on the data provided by the national offices by July 2021, 144 739 applications for a national patent were filed in the member states in 2020. This represented a slight decrease compared to 2019 (2.3%).

About 74% were filed by residents of the respective countries (76% in 2019), and 25% of the foreign applications were filed by residents of other EPC contracting states, accounting for 7% of all applications filed at the national offices. Together 81% of the national patent applications in the EPC states were filed by residents of the EPC states (83% in 2019).

In 2020, overall 94% of the national applications filed by residents of the EPC member states at their respective home office were first filings.

About 143 100 national grant procedures were completed in 2020. Of these, ca 68 452 resulted in a granted patent. This is 2.5% higher than the number of patents granted by the national offices in 2019.



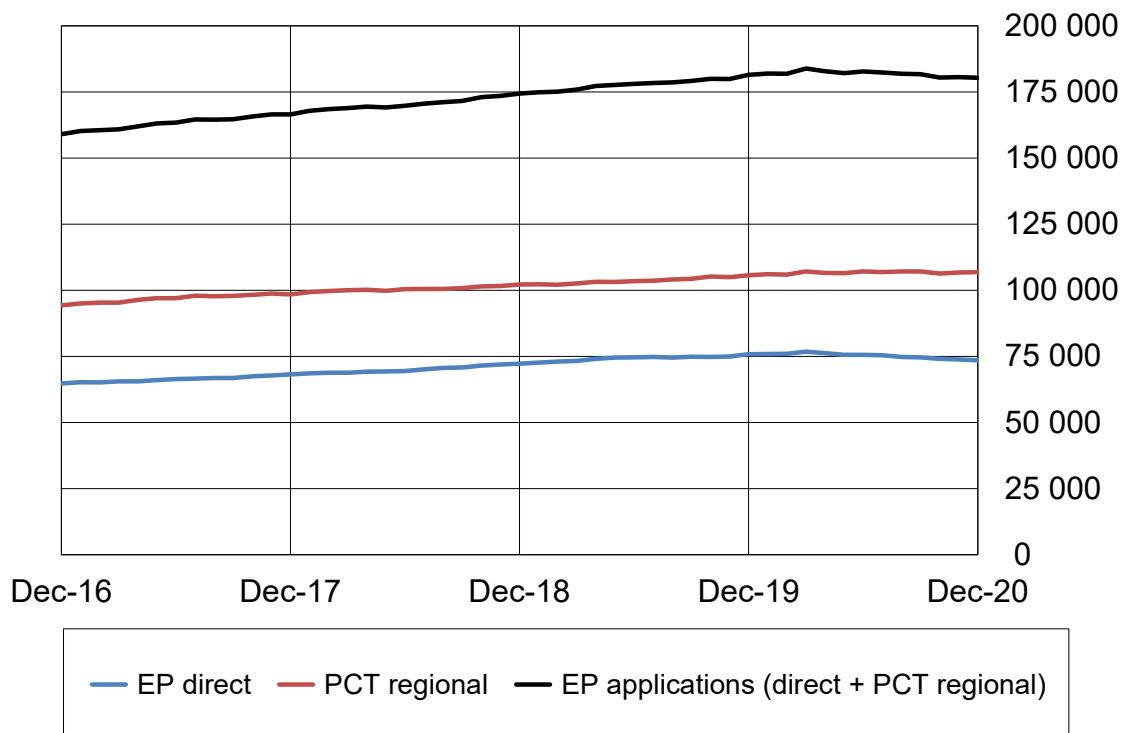
## ANNEX 1 EUROPEAN PATENT PROCEDURES STATISTICS

### A. EUROPEAN PATENT APPLICATIONS FILED

#### a) Filing route in 2020

Category	Budget 2020	Previous year 2019	Actual 2020 Status June 2021	Deviation to budget		Deviation to previous year	
				Number	%	Number	%
Euro-direct	76 900	75 810	73 496	-3 404	-4.4%	-2 314	-3.1%
PCT regional	110 947	105 727	106 875	-4 072	-3.7%	1 148	1.1%
<b>Total applications</b>	<b>187 847</b>	<b>181 537</b>	<b>180 371</b>	<b>-7 476</b>	<b>-4.0%</b>	<b>-1 166</b>	<b>-0.6%</b>

#### 12 Months Moving Total



b) Origin and growth over 2019 (%)

Country of origin		EP direct		PCT regional		EP applications	
Albania	AL	0	-100.0%	0	-100.0%	0	-100.0%
Austria	AT	1 422	2.7%	883	-8.0%	2 305	-1.7%
Belgium	BE	1 403	-2.1%	969	0.2%	2 372	-1.2%
Bulgaria	BG	32	100.0%	22	15.8%	54	54.3%
Switzerland	CH	4 978	0.1%	3 130	-4.6%	8 108	-1.8%
Cyprus	CY	37	37.0%	28	33.3%	65	35.4%
Czech Republic	CZ	112	5.7%	94	1.1%	206	3.5%
Germany	DE	14 451	-2.0%	11 506	-4.3%	25 957	-3.0%
Denmark	DK	1 340	1.3%	1 068	-2.2%	2 408	-0.3%
Estonia	EE	29	-3.3%	29	61.1%	58	20.8%
Spain	ES	1 136	-6.3%	658	-1.9%	1 794	-4.8%
Finland	FI	797	9.8%	1 100	12.4%	1 897	11.3%
France	FR	5 033	4.9%	5 569	2.5%	10 602	3.6%
United Kingdom	GB	2 037	-19.8%	3 683	3.0%	5 720	-6.5%
Greece	GR	87	1.2%	48	-12.7%	135	-4.3%
Croatia	HR	7	40.0%	15	7.1%	22	15.8%
Hungary	HU	35	16.7%	73	7.4%	108	10.2%
Ireland	IE	542	5.4%	431	8.6%	973	6.8%
Iceland	IS	5	-66.7%	36	2.9%	41	-18.0%
Italy	IT	2 223	4.4%	2 392	1.6%	4 615	2.9%
Liechtenstein	LI	227	0.0%	211	-0.5%	438	-0.2%
Lithuania	LT	22	57.1%	28	86.7%	50	72.4%
Luxembourg	LU	167	3.1%	240	-10.1%	407	-5.1%
Latvia	LV	16	14.3%	13	62.5%	29	31.8%
Monaco	MC	18	28.6%	15	36.4%	33	32.0%
North Macedonia	MK	0	-100.0%	1		1	0.0%
Malta	MT	38	46.2%	24	-22.6%	62	8.8%
Netherlands	NL	3 650	-5.8%	2 728	-11.2%	6 378	-8.2%
Norway	NO	182	5.2%	464	-1.9%	646	0.0%
Poland	PL	309	3.7%	174	5.5%	483	4.3%
Portugal	PT	120	-15.5%	131	0.8%	251	-7.7%
Romania	RO	40	48.1%	15	15.4%	55	37.5%
Serbia	RS	1	-50.0%	7	0.0%	8	-11.1%
Sweden	SE	1 592	2.0%	2 829	-0.2%	4 421	0.6%
Slovenia	SI	103	66.1%	62	5.1%	165	36.4%
Slovakia	SK	26	13.0%	28	47.4%	54	28.6%
San Marino	SM	3	-25.0%	1	-75.0%	4	-50.0%
Turkey	TR	187	47.2%	413	20.1%	600	27.4%
<b>EPC contracting states</b>		<b>42 407</b>	<b>-1.0%</b>	<b>39 118</b>	<b>-1.5%</b>	<b>81 525</b>	<b>-1.3%</b>
P.R. China	CN	2 710	0.2%	10 674	11.9%	13 384	9.3%
Japan	JP	6 037	-8.9%	15 888	2.6%	21 925	-0.8%
Republic of Korea	KR	3 680	11.8%	5 411	7.1%	9 091	9.0%
United States of America	US	14 750	-9.8%	29 512	-1.0%	44 262	-4.1%
Other countries		3 912	-2.0%	6 272	2.3%	10 184	0.6%
Non EPC		31 089	-5.7%	67 757	2.6%	98 846	-0.1%
<b>TOTAL</b>		<b>73 496</b>	<b>-3.1%</b>	<b>106 875</b>	<b>1.1%</b>	<b>180 371</b>	<b>-0.6%</b>

Status June 2021

c) **First filings at the EPO**

Number of Euro-direct first filings and percentage out of total EP applications filed per country and change of this percentage to the latest 2019 figures.

Country of origin		2020		2020 / 2019
Albania	AL	0	-	
Austria	AT	903	39.2%	1.3%
Belgium	BE	1043	44.0%	-0.7%
Bulgaria	BG	24	44.4%	300.0%
Switzerland	CH	3 874	47.8%	2.9%
Cyprus	CY	14	21.5%	-17.6%
Czech Republic	CZ	28	13.6%	-40.4%
Germany	DE	7 743	29.8%	-1.2%
Denmark	DK	1031	42.8%	2.7%
Estonia	EE	15	25.9%	-37.5%
Spain	ES	971	54.1%	-3.2%
Finland	FI	473	24.9%	6.1%
France	FR	2 409	22.7%	14.3%
United Kingdom	GB	716	12.5%	-33.1%
Greece	GR	58	43.0%	20.8%
Croatia	HR	2	9.1%	-33.3%
Hungary	HU	14	13.0%	-12.5%
Ireland	IE	206	21.2%	17.0%
Iceland	IS	1	2.4%	-87.5%
Italy	IT	473	10.2%	-8.2%
Liechtenstein	LI	205	46.8%	1.0%
Lithuania	LT	11	22.0%	120.0%
Luxembourg	LU	47	11.5%	-7.8%
Latvia	LV	12	41.4%	0.0%
Monaco	MC	13	39.4%	160.0%
North Macedonia	MK	0	0.0%	-100.0%
Malta	MT	27	43.5%	58.8%
Netherlands	NL	2 869	45.0%	-5.4%
Norway	NO	116	18.0%	22.1%
Poland	PL	189	39.1%	13.2%
Portugal	PT	46	18.3%	-2.1%
Romania	RO	18	32.7%	100.0%
Serbia	RS	1	12.5%	
Sweden	SE	1072	24.2%	8.9%
Slovenia	SI	58	35.2%	70.6%
Slovakia	SK	14	25.9%	40.0%
San Marino	SM	0	0.0%	-100.0%
Turkey	TR	57	9.5%	-6.6%
<b>EPC states</b>		<b>24 753</b>	<b>30.4%</b>	<b>-0.1%</b>
P.R. China	CN	388	2.9%	-3.5%
Japan	JP	418	1.9%	8.9%
Rep. Korea	KR	78	0.9%	32.2%
United States of America	US	1 306	3.0%	-14.1%
Other countries		480	4.7%	-0.2%
Non EPC		2 670	2.7%	-6.2%
<b>TOTAL</b>		<b>27 423</b>	<b>15.2%</b>	<b>-0.7%</b>

## B. EUROPEAN PROCEDURES

### a) Grant procedure

Fate of 100 applications filed from 1978 to 2015.

Fate of applications by filing route

Procedural phase		Euro-direct applications	PCT regional phase	Total
Before examination	Refused	0	0	0
	Withdrawn	<b>20</b>	<b>8</b>	<b>15</b>
Forwarded for examination		<b>80</b>	<b>92</b>	<b>85</b>
Examination	Refused	3	3	3
	Withdrawn	21	30	25
	Granted	55	58	56
Total		<b>100</b>	<b>100</b>	<b>100</b>

Fate of 100 PCT international filings 1978-2015.

Not pursued in the EPO regional phase		<b>46</b>
Entered the European procedure		<b>54</b>
Before examination	Refused	0
	Withdrawn	4
Forwarded for examination		50
Examination	Refused	2
	Withdrawn	17
	Granted	32
Total		<b>100</b>

## Fate of applications filed from 2016 to 2020.

### Fate of applications by filing route

<b>Euro-direct</b>	2016	2017	2018	2019	2020	
Applications filed	64 741 100.0%	68 160 100.0%	72 230 100.0%	75 810 100.0%	73 496 100.0%	
Before examination	Refused	299 0.5%	396 0.6%	457 0.6%	316 0.4%	62 0.1%
	Withdrawn	18 732 28.9%	19 355 28.4%	20 136 27.9%	13 941 18.4%	4 214 5.7%
	Not yet forwarded for examination:					
	Search completed	29 0.0%	87 0.1%	271 0.4%	11 835 15.6%	19 256 26.2%
Search not completed	53 0.1%	48 0.1%	46 0.1%	179 0.2%	28 433 38.7%	
Examination	Forwarded	45 628 70.5%	48 274 70.8%	51 320 71.1%	49 539 65.3%	21 531 29.3%
	Refused	1 012 1.6%	629 0.9%	198 0.3%	15 0.0%	0 0.0%
	Withdrawn	6 066 9.4%	4 795 7.0%	2 713 3.8%	640 0.8%	9 0.0%
	Granted	27 758 42.9%	23 839 35.0%	15 481 21.4%	3 488 4.6%	10 0.0%
	Examination not yet completed:	10 792 16.7%	19 011 27.9%	32 928 45.6%	45 396 59.9%	21 512 29.3%

<b>PCT with supplementary search</b>	2016	2017	2018	2019	2020	
Applications filed	44 682 100.0%	46 681 100.0%	48 963 100.0%	51 672 100.0%	53 296 100.0%	
Before examination	Refused	8 0.0%	10 0.0%	7 0.0%	3 0.0%	2 0.0%
	Withdrawn	5 119 11.5%	5 138 11.0%	5 131 10.5%	3 371 6.5%	429 0.8%
	Not yet forwarded for examination:					
	Search completed	9 0.0%	35 0.1%	110 0.2%	4 528 8.8%	1 686 3.2%
Search not completed	15 0.0%	5 0.0%	37 0.1%	3 508 6.8%	41 626 78.1%	
Examination	Forwarded	39 531 88.5%	41 493 88.9%	43 678 89.2%	40 262 77.9%	9 553 17.9%
	Refused	935 2.1%	513 1.1%	195 0.4%	10 0.0%	0 0.0%
	Withdrawn	7 008 15.7%	5 484 11.7%	2 683 5.5%	559 1.1%	11 0.0%
	Granted	21 056 47.1%	17 252 37.0%	10 076 20.6%	1 825 3.5%	12 0.0%
	Examination not yet completed:	10 532 23.6%	18 244 39.1%	30 724 62.7%	37 868 73.3%	9 530 17.9%

<b>PCT without supplementary search</b>	2016	2017	2018	2019	2020	
Applications filed	49 645 100.0%	51 742 100.0%	53 275 100.0%	54 055 100.0%	53 579 100.0%	
Before examination	Refused	0 0.0%	0 0.0%	1 0.0%	0 0.0%	0 0.0%
	Withdrawn	53 0.1%	78 0.2%	63 0.1%	71 0.1%	82 0.2%
	Not yet forwarded for examination:					
	Search completed	3 0.0%	3 0.0%	4 0.0%	11 0.0%	77 0.1%
Search not completed	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	
Examination	Forwarded	49 589 99.9%	51 661 99.8%	53 207 99.9%	53 973 99.8%	53 420 99.7%
	Refused	865 1.7%	603 1.2%	264 0.5%	21 0.0%	0 0.0%
	Withdrawn	9 789 19.7%	8 816 17.0%	6 227 11.7%	3 175 5.9%	637 1.2%
	Granted	29 649 59.7%	26 372 51.0%	20 205 37.9%	8 695 16.1%	269 0.5%
	Examination not yet completed:	9 286 18.7%	15 870 30.7%	26 511 49.8%	42 082 77.9%	52 514 98.0%

<b>Total applications</b>	2016	2017	2018	2019	2020	
Applications filed	159 068 100.0%	166 583 100.0%	174 468 100.0%	181 537 100.0%	180 371 100.0%	
Before examination	Refused	307 0.2%	406 0.2%	465 0.3%	319 0.2%	64 0.0%
	Withdrawn	23 904 15.0%	24 571 14.8%	25 330 14.5%	17 383 9.6%	4 725 2.6%
	Not yet forwarded for examination:					
	Search completed	41 0.0%	125 0.1%	385 0.2%	16 374 9.0%	21 019 11.7%
Search not completed	68 0.0%	53 0.0%	83 0.0%	3 687 2.0%	70 059 38.8%	
Examination	Forwarded	134 748 84.7%	141 428 84.9%	148 205 84.9%	143 774 79.2%	84 504 46.9%
	Refused	2 812 1.8%	1 745 1.0%	657 0.4%	46 0.0%	0 0.0%
	Withdrawn	22 863 14.4%	19 095 11.5%	11 623 6.7%	4 374 2.4%	657 0.4%
	Granted	78 463 49.3%	67 463 40.5%	45 762 26.2%	14 008 7.7%	291 0.2%
	Examination not yet completed:	30 610 19.2%	53 125 31.9%	90 163 51.7%	125 346 69.0%	83 556 46.3%

## b) Opposition procedure

### Opposition rate and oppositions filed according to fields of technology

Technology	Patents which could be opposed	Opposed patents	Opposition rate	Oppositions filed	Opposition ratio
Electrical engineering	40 895	282	0.7%	324	1.15
Electrical machinery, apparatus, energy	9 012	124	1.4%	136	1.10
Audio-visual technology	3 171	35	1.1%	37	1.06
Telecommunications	4 181	14	0.3%	15	1.07
Digital communication	12 074	52	0.4%	75	1.44
Basic communication processes	929	3	0.3%	3	1.00
Computer technology	8 443	36	0.4%	39	1.08
IT methods for management	246	7	2.8%	7	1.00
Semiconductors	2 839	11	0.4%	12	1.09
Instruments	23 525	403	1.7%	474	1.18
Optics	3 112	26	0.8%	27	1.04
Measurement	7 121	67	0.9%	71	1.06
Analysis of biological materials	814	14	1.7%	15	1.07
Control	2 045	37	1.8%	40	1.08
Medical technology	10 433	259	2.5%	321	1.24
Chemistry	28 122	1 332	4.7%	1 969	1.48
Organic fine chemistry	3 996	139	3.5%	207	1.49
Biotechnology	3 487	193	5.5%	334	1.73
Pharmaceuticals	3 634	216	5.9%	469	2.17
Macromolecular chemistry, polymers	2 612	130	5.0%	155	1.19
Food chemistry	1 050	125	11.9%	175	1.40
Basic materials chemistry	3 085	168	5.4%	201	1.20
Materials, metallurgy	3 231	165	5.1%	202	1.22
Surface technology, coating	2 105	74	3.5%	90	1.22
Micro-structural and nano-technology	191	1	0.5%	1	1.00
Chemical engineering	3 124	85	2.7%	94	1.11
Environmental technology	1 607	36	2.2%	41	1.14
Mechanical engineering	35 021	912	2.6%	1 015	1.11
Handling	2 952	112	3.8%	128	1.14
Machine tools	3 067	106	3.5%	116	1.09
Engines, pumps, turbines	6 021	133	2.2%	152	1.14
Textile and paper machines	2 296	69	3.0%	81	1.17
Other special machines	4 489	181	4.0%	209	1.15
Thermal processes and apparatus	2 799	49	1.8%	52	1.06
Mechanical elements	4 239	119	2.8%	125	1.05
Transport	9 158	143	1.6%	152	1.06
Other fields	9 966	314	3.2%	378	1.20
Furniture, games	2 567	59	2.3%	70	1.19
Other consumer goods	3 119	131	4.2%	167	1.27
Civil engineering	4 280	124	2.9%	141	1.14
Not classified	74	4	5.4%	5	1.25
<b>Total</b>	<b>137 603</b>	<b>3 247</b>	<b>2.4%</b>	<b>4 165</b>	<b>1.28</b>

## Opposition rate and oppositions filed according to proprietor origin

Country of residence of the patent proprietor	Patents which could be opposed	Opposed patents	Opposition rate	Oppositions filed	Opposition ratio
AL Albania	0	0	-	0	-
AT Austria	1 682	65	3.9%	77	1.18
BE Belgium	1 393	85	6.1%	106	1.25
BG Bulgaria	21	0	0.0%	0	-
CH Switzerland	4 868	237	4.9%	421	1.78
CY Cyprus	29	0	0.0%	0	-
CZ Czech Republic	178	2	1.1%	2	1.00
DE Germany	21 057	873	4.1%	1 033	1.18
DK Denmark	1 283	94	7.3%	112	1.19
EE Estonia	15	0	0.0%	0	-
ES Spain	913	20	2.2%	26	1.30
FI Finland	1 616	38	2.4%	47	1.24
FR France	8 697	207	2.4%	256	1.24
GB United Kingdom	4 128	146	3.5%	171	1.17
GR Greece	63	5	7.9%	6	1.20
HR Croatia	8	0	0.0%	0	-
HU Hungary	83	8	9.6%	8	1.00
IE Ireland	537	14	2.6%	28	2.00
IS Iceland	23	0	0.0%	0	-
IT Italy	3 765	105	2.8%	114	1.09
LI Liechtenstein	232	3	1.3%	3	1.00
LT Lithuania	22	1	4.5%	3	3.00
LU Luxembourg	369	13	3.5%	32	2.46
LV Latvia	4	0	0.0%	0	-
MC Monaco	14	0	0.0%	0	-
MK North Macedonia	0	0	-	0	-
MT Malta	25	0	0.0%	0	-
NL Netherlands	4 252	145	3.4%	185	1.28
NO Norway	439	13	3.0%	21	1.62
PL Poland	263	3	1.1%	4	1.33
PT Portugal	114	1	0.9%	1	1.00
RO Romania	15	0	0.0%	0	-
RS Serbia	8	0	0.0%	0	-
SE Sweden	3 840	76	2.0%	88	1.16
SI Slovenia	67	1	1.5%	1	1.00
SK Slovakia	28	0	0.0%	0	-
SM San Marino	6	1	16.7%	2	2.00
TR Turkey	407	9	2.2%	14	1.56
EPC states	60 464	2 165	3.6%	2 761	1.28
CN P.R. China	6 322	55	0.9%	69	1.25
JP Japan	22 023	187	0.8%	224	1.20
KR Rep. Korea	7 184	45	0.6%	47	1.04
US United States of America	34 835	702	2.0%	956	1.36
Other	6 775	93	1.4%	108	1.16
Total	137 603	3 247	2.4%	4 165	1.28

Outcome of the opposition procedures completed in 2020 (examiner decisions).

According to the field of technology

Technology	Opposition rejected		Patent revoked		Patent amended		Total	
Electrical engineering	47	27%	79	45%	51	29%	177	100%
Electrical machinery, apparatus, energy	19	25%	35	47%	21	28%	75	100%
Audio-visual technology	6	30%	9	45%	5	25%	20	100%
Telecommunications	7	32%	8	36%	7	32%	22	100%
Digital communication	3	17%	7	39%	8	44%	18	100%
Basic communication processes	3	100%	0	0%	0	0%	3	100%
Computer technology	5	16%	19	59%	8	25%	32	100%
IT methods for management	2	67%	1	33%	0	0%	3	100%
Semiconductors	2	50%	0	0%	2	50%	4	100%
Instruments	71	33%	72	34%	70	33%	213	100%
Optics	2	22%	2	22%	5	56%	9	100%
Measurement	11	26%	15	35%	17	40%	43	100%
Analysis of biological materials	5	42%	2	17%	5	42%	12	100%
Control	16	52%	13	42%	2	6%	31	100%
Medical technology	37	31%	40	34%	41	35%	118	100%
Chemistry	230	29%	291	37%	261	33%	782	100%
Organic fine chemistry	41	36%	39	34%	34	30%	114	100%
Biotechnology	11	14%	30	39%	36	47%	77	100%
Pharmaceuticals	33	29%	48	42%	32	28%	113	100%
Macromolecular chemistry, polymers	26	25%	40	39%	36	35%	102	100%
Food chemistry	20	33%	24	40%	16	27%	60	100%
Basic materials chemistry	35	28%	39	31%	51	41%	125	100%
Materials, metallurgy	18	28%	25	39%	21	33%	64	100%
Surface technology, coating	17	37%	14	30%	15	33%	46	100%
Micro-structural and nano-technology	0	-	0	-	0	-	0	-
Chemical engineering	19	38%	20	40%	11	22%	50	100%
Environmental technology	10	32%	12	39%	9	29%	31	100%
Mechanical engineering	199	35%	163	28%	211	37%	573	100%
Handling	24	34%	18	25%	29	41%	71	100%
Machine tools	25	36%	18	26%	27	39%	70	100%
Engines, pumps, turbines	24	29%	27	32%	33	39%	84	100%
Textile and paper machines	25	40%	14	22%	24	38%	63	100%
Other special machines	42	39%	28	26%	39	36%	109	100%
Thermal processes and apparatus	20	42%	16	33%	12	25%	48	100%
Mechanical elements	16	42%	10	26%	12	32%	38	100%
Transport	23	26%	32	36%	35	39%	90	100%
Other fields	48	29%	59	36%	59	36%	166	100%
Furniture, games	11	28%	15	38%	14	35%	40	100%
Other consumer goods	17	32%	13	25%	23	43%	53	100%
Civil engineering	20	27%	31	42%	22	30%	73	100%
Unclassified		0%	1	100%		0%	1	100%
<b>Total</b>	<b>595</b>	<b>31.1%</b>	<b>665</b>	<b>34.8%</b>	<b>652</b>	<b>34.1%</b>	<b>1 912</b>	<b>100%</b>

Status: July 2021



c) **Appeal procedures**

Refusals by the examining divisions and appeals in 2020

Technology	Decisions to refuse	Appealed decisions	
Electrical engineering	4 885	565	12%
Electrical machinery, apparatus, energy	226	25	11%
Audio-visual technology	437	47	11%
Telecommunications	187	18	10%
Digital communication	545	40	7%
Basic communication processes	87	10	11%
Computer technology	2091	242	12%
IT methods for management	1187	172	14%
Semiconductors	125	11	9%
Instruments	882	102	12%
Optics	105	7	7%
Measurement	273	29	11%
Analysis of biological materials	27	3	11%
Control	281	39	14%
Medical technology	196	24	12%
Chemistry	650	111	17%
Organic fine chemistry	60	11	18%
Biotechnology	82	11	13%
Pharmaceuticals	130	23	18%
Macromolecular chemistry, polymers	18	4	22%
Food chemistry	31	6	19%
Basic materials chemistry	85	16	19%
Materials, metallurgy	64	8	13%
Surface technology, coating	33	5	15%
Micro-structural and nano-technology	7	1	14%
Chemical engineering	86	16	19%
Environmental technology	54	10	19%
Mechanical engineering	365	51	14%
Handling	38	5	13%
Machine tools	24	3	13%
Engines, pumps, turbines	90	7	8%
Textile and paper machines	16	2	13%
Other special machines	37	9	24%
Thermal processes and apparatus	28	5	18%
Mechanical elements	28	7	25%
Transport	104	13	13%
Other fields	157	28	18%
Furniture, games	56	5	9%
Other consumer goods	41	6	15%
Civil engineering	60	17	28%
Unclassified	8	0	0%
<b>Total</b>	<b>6 947</b>	<b>857</b>	<b>12%</b>

## Decisions by the opposition divisions and appeals filed in 2020

Type of decision	Total cases	Appealed cases	
Opposition rejected	585	171	29%
Patent revoked	635	148	23%
Patent amended	609	351	58%
Total	1 829	670	37%

### d) Processing times

#### Early Certainty

The statistics on processing times describe the progress towards the Early Certainty objectives for the European patent procedures.

As part of the implementation of the Strategic Plan 2023, the times indicated in the table below are represented as mean average delays in months for the European search, the substantive examination and the opposition procedures. In order to properly reflect the delay of the procedures, the statistics are based on standard cases. Previous year figures (also measured as mean averages) are presented for reference.

The delays are measured:

- European search: from date of receipt at the EPO to end of search
- All searches: from date of receipt at the EPO to date of dispatch of the search report
- Examination: from valid request for examination (all formalities completed) to dispatch of the examiner's intention to grant
- Opposition: from expiry of the opposition filing period to the date of the opposition decision.

The times are calculated for the applications for which the corresponding stage ended in 2020.

Procedure	Months	<i>Previous year</i>
Search (all searches) <sup>(1)</sup>	4.3	4.1
Examination <sup>(2)</sup>	23.7	26.1
Opposition <sup>(3)</sup>	15.4	17.5

(1) Mean value for standard searches (i.e. excluding non-unity, clarification request or incomplete search).

(2) Mean value calculated from valid examination request to dispatch of examiner's intention to grant for standard examination (i.e. excluding two or more late payment of fees, two or more requests for extension of time limit, or re-scheduling of oral proceedings).

(3) Mean value calculated from expiry of opposition filing period to date of opposition decision for standard opposition cases (i.e. excluding cases with more than one opponent, participation of a legal member or re-scheduling of oral proceedings).

## C. PUBLICATIONS

Technology	Applications		Examination requests		Granted patents	
Electrical engineering	52 932	31%	49 922	31%	39 370	29%
Electrical machinery, apparatus, energy	11 143	6.4%	10 457	6.5%	9 160	6.9%
Audio-visual technology	4 286	2.5%	4 004	2.5%	3 095	2.3%
Telecommunications	4 037	2.3%	3 943	2.4%	3 537	2.6%
Digital communication	14 249	8.2%	13 695	8.5%	11 794	8.8%
Basic communication processes	1 081	0.6%	1 003	0.6%	882	0.7%
Computer technology	12 710	7.3%	11 794	7.3%	7 907	5.9%
IT methods for management	2 447	1.4%	2 241	1.4%	242	0.2%
Semiconductors	2 979	1.7%	2 785	1.7%	2 753	2.1%
Instruments	30 930	17.9%	28 703	17.7%	23 459	17.5%
Optics	4 068	2.3%	3 772	2.3%	3 099	2.3%
Measurement	8 759	5.1%	8 144	5.0%	7 022	5.3%
Analysis of biological materials	1 162	1%	1 075	1%	808	1%
Control	3 262	1.9%	2 883	1.8%	2 051	1.5%
Medical technology	13 679	7.9%	12 829	7.9%	10 479	7.8%
Chemistry	38 657	22.3%	36 295	22.4%	27 094	20.3%
Organic fine chemistry	5 038	2.9%	4 750	2.9%	3 849	2.9%
Biotechnology	6 101	3.5%	5 781	3.6%	3 201	2.4%
Pharmaceuticals	6 963	4.0%	6 624	4.1%	3 588	2.7%
Macromolecular chemistry, polymers	3 469	2.0%	3 242	2.0%	2 726	2.0%
Food chemistry	1 448	0.8%	1 389	0.9%	853	0.6%
Basic materials chemistry	4 002	2%	3 745	2%	2 977	2%
Materials, metallurgy	3 484	2.0%	3 207	2.0%	2 941	2.2%
Surface technology, coating	2 419	1.4%	2 243	1.4%	2 013	1.5%
Micro-structural and nano-technology	155	0.1%	142	0.1%	167	0.1%
Chemical engineering	3 830	2.2%	3 582	2.2%	3 288	2.5%
Environmental technology	1 748	1.0%	1 590	1.0%	1 491	1.1%
Mechanical engineering	37 711	22%	35 156	22%	34 001	25%
Handling	4 425	2.6%	4 223	2.6%	2 824	2.1%
Machine tools	3 519	2.0%	3 260	2.0%	3 065	2.3%
Engines, pumps, turbines	4 812	2.8%	4 421	2.7%	5 829	4.4%
Textile and paper machines	2 579	1.5%	2 384	1.5%	2 179	1.6%
Other special machines	6 047	3.5%	5 636	3.5%	4 782	3.6%
Thermal processes and apparatus	2 739	1.6%	2 521	1.6%	2 644	2.0%
Mechanical elements	4 135	2.4%	3 812	2.4%	4 018	3.0%
Transport	9 455	5%	8 899	5%	8 660	6%
Other fields	11 870	6.9%	10 905	6.7%	9 671	7.2%
Furniture, games	3 125	1.8%	2 861	1.8%	2 402	1.8%
Other consumer goods	4 113	2.4%	3 694	2.3%	3 155	2.4%
Civil engineering	4 632	2.7%	4 350	2.7%	4 114	3.1%
Unclassified	1 165	0.7%	1 014	0.6%	120	0.1%
<b>Total</b>	<b>173 265</b>	<b>100.0%</b>	<b>161 995</b>	<b>100.0%</b>	<b>133 715</b>	<b>100.0%</b>

## **D. VALIDATION AND MAINTENANCE OF EUROPEAN PATENTS**

In the following pages, for each member state, the figures presented in the first table indicate the number of applications filed and designating the country, the number of those which have been granted by the EPO, the number of these grants which have been validated and entered into force in the country, and the number of European patents still in force at the end of 2020. The data cover the filing period 2001-2020 for which patents can still be in force.

As the patent term is 20 years, the figures cover the applications filed between January 2001 and December 2020.

Applications for a European patent are counted in the year of the international filing date. In the case of the PCT applications only those that entered the regional phase at the EPO are taken into account and they are counted in the year of the international filing date. The statistics reflect the current status of the designations in the EPO granting procedure.

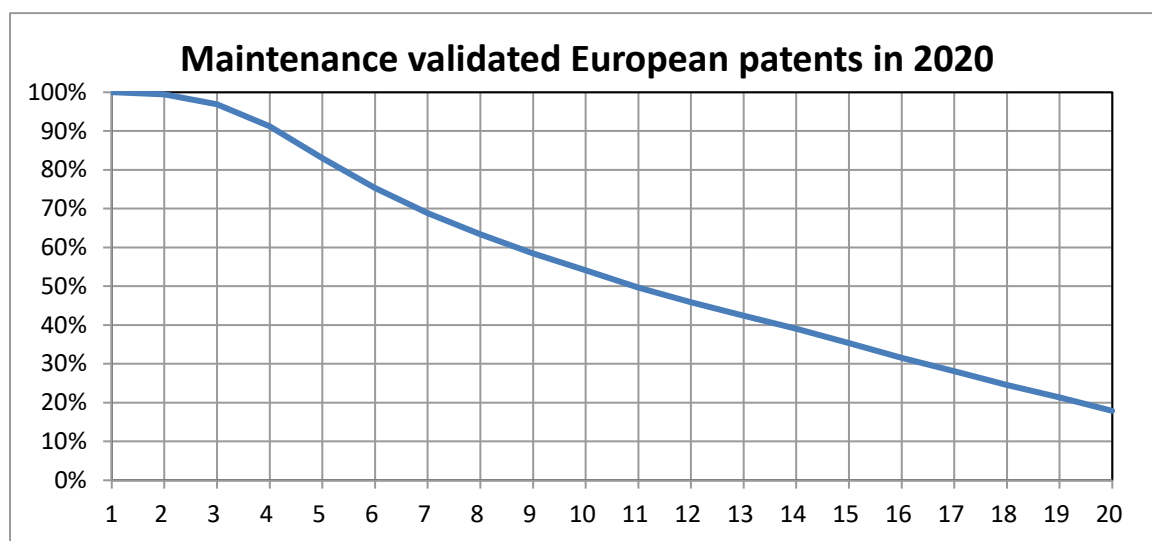
The second table indicate the proportion of granted European patents still in force at the end of each patent year. All data are extracted from the EPO database on the basis of data transmitted by the contracting states offices. A patent is considered as maintained until its abandonment is legally recorded and transmitted to the EPO.

The following table and chart give an overview of the fate of the resulting patent rights granted by the EPO.

Filing year	Applications filed	Granted patents	Validated patents	Patents still in force
Total counts of designated states				
Total filed: 2001 - 2020	86 213 530	34 760 938	12 122 865	6 253 426
Total filed: 2000 - 2019	81 012 990	30 617 870	10 676 263	5 276 916
<i>Growth: status end of 2020 over status end of 2019</i>	6%	14%	14%	19%

Due to the legal delay for paying the national renewal fees, the number of patents still in force at the end of 2020 is still provisional.

As shown in the chart below, EP patents validated are maintained on average (median) up to 11 years. About 18% are maintained up until the expiration of the 20th patent-year (15% in 2019).



**a) Albania**

Filing year	Applications filed	Granted patents	Validated patents	Patents still in force
2001				
2002				
2003				
2004				
2005				
2006				
2007				
2008				
2009				
2010	98 325	51 661	1 862	1 751
2011	148 585	78 931	3 416	3 316
2012	152 126	82 285	4 102	4 035
2013	156 303	82 253	5 589	5 564
2014	160 696	80 938	7 505	7 493
2015	159 210	71 257	10 115	10 110
2016	161 042	57 214	12 159	12 158
2017	164 041	36 032	10 868	10 868
2018	161 072	13 586	5 431	5 431
2019	100 477	2 377	1 425	1 425
2020	59 909	3	3	3

Percentage of patents still in force at the end of the patent year

Filing year	Validated patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001																			
2002																			
2003																			
2004																			
2005																			
2006																			
2007																			
2008																			
2009																			
2010	1 862	100%	100%	100%	99%	98%	96%	95%	94%	94%									
2011	3 416	100%	100%	100%	100%	99%	98%	97%	97%										
2012	4 102	100%	100%	100%	100%	99%	99%	98%	98%										
2013	5 589	100%	100%	100%	100%	100%	100%	100%											
2014	7 505	100%	100%	100%	100%	100%	100%												
2015	10 115	100%	100%	100%	100%														
2016	12 159	100%	100%	100%															
2017	10 868	100%	100%																
2018	5 431	100%																	
2019	1 425																		
2020	3																		

## b) Austria

Filing year	Applications filed	Granted patents	Validated patents	Patents still in force
2001	83 136	37 761	13 391	2 254
2002	85 801	38 658	12 753	2 631
2003	90 864	41 206	12 512	2 975
2004	98 323	44 357	12 659	3 362
2005	107 296	46 998	12 657	3 861
2006	114 326	50 725	13 876	4 506
2007	120 356	54 945	15 126	4 997
2008	130 770	63 548	16 571	5 797
2009	134 805	69 908	16 767	6 353
2010	143 479	75 501	17 759	7 200
2011	148 611	78 955	18 076	8 288
2012	152 153	82 308	18 269	8 931
2013	156 323	82 271	18 018	9 884
2014	160 723	80 963	18 441	10 820
2015	159 224	71 269	18 284	17 078
2016	161 067	57 230	15 994	15 994
2017	164 057	36 037	11 839	11 839
2018	161 089	13 588	4 840	4 840
2019	100 478	2 377	1 104	1 104
2020	59 908	3	3	3

Percentage of patents still in force at the end of the patent year

Filing year	Validated patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001	13 391	100%	98%	92%	85%	79%	73%	64%	57%	52%	47%	42%	37%	33%	29%	25%	22%	19%	17%
2002	12 753	100%	97%	92%	85%	79%	71%	64%	58%	52%	47%	42%	38%	33%	30%	26%	23%	21%	
2003	12 512	100%	96%	90%	84%	76%	69%	64%	58%	52%	47%	42%	37%	33%	30%	26%	24%		
2004	12 659	99%	95%	89%	82%	75%	69%	62%	56%	50%	45%	41%	36%	33%	29%	27%			
2005	12 657	99%	95%	88%	82%	76%	69%	63%	57%	52%	46%	42%	37%	33%	31%				
2006	13 876	99%	95%	95%	78%	72%	65%	59%	54%	48%	44%	40%	35%	32%					
2007	15 126	99%	99%	99%	72%	66%	60%	55%	50%	45%	40%	36%	33%						
2008	16 571	100%	100%	100%	69%	64%	59%	53%	48%	43%	38%	35%							
2009	16 767	100%	100%	100%	68%	62%	57%	51%	46%	41%	38%								
2010	17 759	100%	100%	100%	67%	62%	55%	49%	44%	41%									
2011	18 076	100%	100%	100%	68%	61%	55%	49%	46%										
2012	18 269	100%	100%	100%	66%	59%	52%	49%											
2013	18 018	100%	100%	100%	66%	59%	55%												
2014	18 441	100%	100%	100%	62%	59%													
2015	18 284	100%	100%	100%	93%														
2016	15 994	100%	100%	100%															
2017	11 839	100%	100%																
2018	4 840	100%																	
2019	1 104																		
2020	3																		



**c) Belgium**

Filing year	Applications filed	Granted patents	Validated patents	Patents still in force
2001	83 281	37 856	16 036	2 732
2002	85 829	38 688	15 329	3 119
2003	91 039	41 273	15 531	3 564
2004	98 527	44 427	16 238	4 149
2005	107 498	47 117	16 851	4 795
2006	114 335	50 740	18 122	5 591
2007	120 297	54 853	19 441	6 134
2008	130 672	63 457	22 296	7 347
2009	134 766	69 879	24 747	8 516
2010	143 471	75 493	28 643	10 381
2011	148 606	78 950	32 785	12 661
2012	152 143	82 299	37 469	14 594
2013	156 315	82 265	43 705	17 930
2014	160 707	80 950	49 344	21 951
2015	159 226	71 271	47 595	25 387
2016	161 056	57 226	42 091	27 132
2017	164 055	36 036	28 604	22 472
2018	161 086	13 588	11 945	10 205
2019	100 474	2 377	2 377	2 377
2020	59 907	3	3	3

Percentage of patents still in force at the end of the patent year

Filing year	Validated patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001	16 036	100%	97%	90%	83%	75%	69%	61%	55%	49%	45%	41%	37%	33%	29%	26%	23%	19%	17%
2002	15 329	100%	96%	89%	82%	75%	67%	61%	55%	50%	46%	41%	37%	34%	30%	27%	23%	20%	
2003	15 531	99%	94%	87%	81%	73%	67%	61%	56%	51%	46%	42%	39%	35%	30%	25%	23%		
2004	16 238	99%	93%	86%	78%	72%	66%	60%	55%	51%	47%	43%	39%	34%	28%	26%			
2005	16 851	99%	93%	85%	79%	73%	68%	62%	58%	53%	49%	45%	38%	32%	28%				
2006	18 122	99%	93%	86%	79%	74%	68%	63%	59%	55%	51%	43%	35%	31%					
2007	19 441	99%	93%	86%	80%	74%	69%	64%	60%	55%	46%	36%	32%						
2008	22 296	99%	94%	87%	81%	76%	71%	66%	62%	50%	39%	33%							
2009	24 747	99%	93%	87%	82%	77%	73%	68%	55%	42%	34%								
2010	28 643	99%	96%	89%	84%	79%	74%	59%	45%	36%									
2011	32 785	99%	96%	90%	85%	81%	65%	49%	39%										
2012	37 469	99%	96%	90%	85%	68%	50%	39%											
2013	43 705	99%	97%	91%	73%	54%	41%												
2014	49 344	99%	97%	80%	60%	44%													
2015	47 595	99%	91%	71%	53%														
2016	42 091	97%	85%	64%															
2017	28 604	94%	79%																
2018	11 945	85%																	
2019	2 377																		
2020	3																		

**d) Bulgaria**

Filing year	Applications filed	Granted patents	Validated patents	Patents still in force
2001				
2002	42 665	19 235	4 803	353
2003	89 633	40 450	19 343	711
2004	97 407	43 743	20 133	860
2005	106 447	46 421	20 367	858
2006	113 483	50 161	21 376	1 084
2007	119 673	54 436	21 688	1 072
2008	130 352	63 212	23 983	1 267
2009	134 657	69 784	24 272	1 362
2010	143 443	75 465	24 668	1 790
2011	148 589	78 933	26 971	2 238
2012	152 129	82 286	31 037	2 622
2013	156 304	82 253	37 670	3 328
2014	160 703	80 943	41 500	4 318
2015	159 214	71 259	37 805	5 495
2016	161 051	57 214	31 753	6 549
2017	164 051	36 032	21 777	6 950
2018	161 086	13 586	9 129	3 712
2019	100 478	2 377	2 344	1 394
2020	59 909	3	3	3

Percentage of patents still in force at the end of the patent year

Filing year	Validated patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001																			
2002	4 803	100%	97%	82%	66%	54%	45%	36%	29%	22%	19%	18%	17%	15%	12%	11%	9%	7%	
2003	19 343	96%	80%	65%	52%	42%	32%	25%	18%	15%	13%	13%	11%	8%	7%	5%	4%		
2004	20 133	92%	78%	64%	52%	41%	32%	23%	19%	17%	16%	14%	11%	8%	6%	4%			
2005	20 367	93%	78%	65%	52%	40%	29%	23%	21%	20%	18%	13%	9%	6%	4%				
2006	21 376	92%	79%	64%	50%	37%	29%	27%	26%	23%	16%	11%	7%	5%					
2007	21 688	94%	78%	62%	47%	38%	35%	33%	29%	21%	14%	8%	5%						
2008	23 983	93%	78%	60%	48%	44%	43%	38%	27%	18%	9%	5%							
2009	24 272	92%	73%	61%	56%	54%	49%	34%	22%	11%	6%								
2010	24 668	91%	80%	74%	72%	65%	46%	30%	16%	7%									
2011	26 971	95%	89%	86%	78%	57%	38%	20%	8%										
2012	31 037	97%	94%	86%	63%	41%	21%	8%											
2013	37 670	99%	91%	69%	46%	24%	9%												
2014	41 500	97%	79%	55%	30%	10%													
2015	37 805	91%	71%	41%	15%														
2016	31 753	87%	58%	21%															
2017	21 777	78%	32%																
2018	9 129	41%																	
2019	2 344																		
2020	3																		

e) Switzerland/Liechtenstein

Filing year	Applications filed	Granted patents	Validated patents	Patents still in force
2001	84 292	38 705	21 411	3 154
2002	86 476	39 400	22 434	3 715
2003	92 016	42 011	24 836	4 624
2004	99 647	45 222	27 684	5 389
2005	108 591	47 800	32 046	6 294
2006	115 506	51 505	35 311	7 381
2007	121 162	55 461	37 346	8 461
2008	131 270	63 914	42 780	10 016
2009	134 921	70 009	46 182	11 370
2010	143 470	75 492	50 473	13 124
2011	148 592	78 936	48 955	15 787
2012	152 144	82 301	51 306	17 628
2013	156 318	82 269	53 563	20 939
2014	160 714	80 957	55 226	24 146
2015	159 219	71 266	51 200	26 306
2016	161 044	57 215	44 798	27 251
2017	164 030	36 024	31 951	23 587
2018	161 072	13 581	13 579	13 579
2019	100 476	2 377	2 376	2 376
2020	59 907	3	3	3

Percentage of patents still in force at the end of the patent year

Filing year	Validated patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001	21 411	100%	100%	90%	85%	80%	75%	65%	57%	50%	45%	40%	35%	31%	27%	23%	20%	17%	15%
2002	22 434	100%	100%	91%	86%	82%	71%	63%	55%	49%	43%	38%	34%	30%	26%	22%	19%	17%	
2003	24 836	100%	100%	89%	86%	75%	67%	60%	53%	46%	41%	36%	32%	28%	24%	21%	19%		
2004	27 684	100%	100%	89%	79%	71%	63%	56%	49%	44%	39%	34%	30%	26%	22%	19%			
2005	32 046	100%	100%	80%	72%	65%	57%	51%	45%	40%	35%	31%	26%	22%	20%				
2006	35 311	100%	100%	78%	71%	63%	56%	49%	43%	38%	33%	28%	24%	21%					
2007	37 346	100%	100%	78%	70%	62%	55%	49%	43%	37%	32%	26%	23%						
2008	42 780	100%	100%	77%	69%	61%	54%	47%	40%	34%	27%	23%							
2009	46 182	100%	100%	74%	66%	59%	52%	44%	37%	29%	25%								
2010	50 473	100%	100%	74%	66%	58%	49%	40%	31%	26%									
2011	48 955	100%	91%	81%	72%	61%	51%	40%	32%										
2012	51 306	100%	91%	81%	69%	56%	43%	34%											
2013	53 563	100%	92%	79%	65%	50%	39%												
2014	55 226	100%	89%	76%	58%	44%													
2015	51 200	100%	86%	69%	51%														
2016	44 798	100%	81%	61%															
2017	31 951	100%	74%																
2018	13 579	100%																	
2019	2 376																		
2020	3																		

## f) Cyprus

Filing year	Applications filed	Granted patents	Validated patents	Patents still in force
2001	80 619	36 596	5 749	597
2002	83 292	37 640	3 739	595
2003	89 588	40 464	2 220	798
2004	97 401	43 732	2 233	1 141
2005	106 438	46 415	2 295	1 356
2006	113 472	50 151	2 856	1 852
2007	119 666	54 432	3 312	2 284
2008	130 340	63 203	4 197	3 372
2009	134 658	69 784	5 218	4 781
2010	143 440	75 463	7 415	7 040
2011	148 588	78 932	10 606	10 321
2012	152 129	82 286	13 088	12 881
2013	156 303	82 253	18 424	18 253
2014	160 702	80 942	25 378	25 269
2015	159 212	71 258	32 217	32 168
2016	161 046	57 214	37 078	37 064
2017	164 052	36 032	29 684	29 683
2018	161 084	13 586	13 586	13 586
2019	100 478	2 377	2 377	2 377
2020	59 909	3	3	3

Percentage of patents still in force at the end of the patent year

Filing year	Validated patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001	5 749	99%	99%	41%	39%	37%	34%	30%	28%	25%	23%	21%	19%	18%	15%	14%	13%	11%	10%
2002	3 739	100%	56%	55%	53%	50%	46%	42%	38%	34%	31%	28%	26%	24%	22%	19%	17%	16%	
2003	2 220	89%	89%	88%	85%	80%	75%	70%	66%	62%	57%	53%	49%	46%	42%	38%	36%		
2004	2 233	100%	100%	98%	95%	89%	84%	79%	75%	70%	66%	64%	60%	57%	53%	51%			
2005	2 295	100%	100%	98%	91%	88%	84%	81%	77%	73%	70%	67%	64%	62%	59%				
2006	2 856	100%	100%	91%	89%	86%	83%	81%	78%	75%	72%	69%	67%	65%					
2007	3 312	100%	88%	88%	86%	84%	82%	80%	78%	75%	73%	71%	69%						
2008	4 197	93%	93%	93%	92%	90%	89%	87%	85%	83%	81%	80%							
2009	5 218	99%	99%	99%	98%	98%	97%	95%	94%	92%									
2010	7 415	100%	100%	100%	99%	99%	98%	97%	96%	95%									
2011	10 606	100%	100%	100%	100%	99%	99%	98%	97%										
2012	13 088	100%	100%	100%	100%	99%	99%	98%											
2013	18 424	100%	100%	100%	100%	99%	99%												
2014	25 378	100%	100%	100%	100%	100%													
2015	32 217	100%	100%	100%	100%														
2016	37 078	100%	100%	100%															
2017	29 684	100%	100%																
2018	13 586	100%																	
2019	2 377																		
2020	3																		

## g) Czech Republic

Filing year	Applications filed	Granted patents	Validated patents	Patents still in force
2001				
2002	42 431	19 406	2 617	752
2003	89 949	40 755	5 133	1 618
2004	97 813	44 037	5 414	1 974
2005	106 805	46 691	5 176	2 164
2006	113 823	50 417	5 331	2 547
2007	119 933	54 632	5 126	2 627
2008	130 516	63 336	5 532	3 294
2009	134 698	69 822	5 347	3 427
2010	143 453	75 475	5 762	4 084
2011	148 593	78 937	6 121	4 735
2012	152 132	82 289	6 371	5 279
2013	156 308	82 257	6 823	6 046
2014	160 703	80 944	7 715	7 155
2015	159 215	71 261	8 434	8 148
2016	161 053	57 216	8 680	8 567
2017	164 052	36 032	8 325	8 303
2018	161 087	13 587	4 135	4 132
2019	100 478	2 377	1 432	1 432
2020	59 909	3	3	3

Percentage of patents still in force at the end of the patent year

Filing year	Validated patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001																			
2002	2 617	100%	100%	99%	96%	92%	83%	77%	70%	64%	59%	53%	49%	43%	40%	36%	31%	29%	
2003	5 133	100%	100%	98%	95%	89%	83%	77%	71%	65%	59%	54%	49%	44%	40%	35%	32%		
2004	5 414	100%	99%	97%	92%	87%	81%	76%	70%	64%	59%	54%	49%	45%	40%	36%			
2005	5 176	100%	100%	97%	93%	89%	84%	78%	72%	66%	62%	56%	51%	46%	42%				
2006	5 331	100%	99%	97%	94%	90%	85%	80%	74%	68%	63%	58%	52%	48%					
2007	5 126	100%	99%	98%	95%	90%	85%	80%	74%	68%	62%	56%	51%						
2008	5 532	100%	100%	99%	96%	92%	87%	82%	77%	70%	64%	60%							
2009	5 347	100%	100%	98%	95%	92%	87%	81%	75%	70%	64%								
2010	5 762	100%	100%	98%	96%	92%	88%	83%	76%	71%									
2011	6 121	100%	100%	98%	96%	93%	89%	83%	77%										
2012	6 371	100%	100%	99%	97%	93%	88%	83%											
2013	6 823	100%	100%	99%	97%	93%	89%												
2014	7 715	100%	100%	99%	96%	93%													
2015	8 434	100%	100%	99%	97%														
2016	8 680	100%	100%	99%															
2017	8 325	100%	100%																
2018	4 135	100%																	
2019	1 432																		
2020	3																		

## h) Germany

Filing year	Applications filed	Granted patents	Validated patents	Patents still in force
2001	121 230	61 725	59 439	17 496
2002	120 757	60 439	58 228	21 091
2003	126 283	62 237	59 939	25 553
2004	132 634	64 277	62 040	30 391
2005	140 869	66 563	64 490	35 478
2006	146 058	69 347	67 242	40 695
2007	145 842	70 684	68 585	45 013
2008	145 009	73 414	71 058	50 149
2009	138 159	72 281	69 881	52 589
2010	143 513	75 535	72 962	58 161
2011	148 604	78 952	76 311	64 322
2012	152 119	82 282	79 541	69 472
2013	156 292	82 248	79 717	72 156
2014	160 701	80 950	78 792	73 313
2015	159 214	71 264	69 654	66 644
2016	161 058	57 225	56 346	54 951
2017	164 045	36 031	35 631	35 194
2018	161 059	13 580	13 521	13 400
2019	100 455	2 376	2 376	2 376
2020	59 910	3	3	3

Percentage of patents still in force at the end of the patent year

Filing year	Validated patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001	59 439	100%	100%	99%	97%	95%	92%	87%	81%	77%	73%	68%	62%	57%	51%	46%	40%	35%	29%
2002	58 228	100%	100%	99%	97%	95%	91%	87%	83%	79%	74%	69%	64%	58%	53%	47%	42%	36%	
2003	59 939	100%	99%	99%	97%	95%	91%	87%	84%	80%	75%	70%	65%	60%	54%	49%	43%		
2004	62 040	100%	99%	99%	97%	94%	91%	88%	85%	80%	76%	71%	66%	60%	55%	49%			
2005	64 490	100%	100%	99%	97%	95%	92%	89%	85%	81%	76%	72%	67%	61%	55%				
2006	67 242	100%	100%	99%	97%	96%	93%	89%	86%	81%	77%	72%	67%	61%					
2007	68 585	100%	100%	99%	98%	96%	93%	90%	86%	82%	77%	72%	66%						
2008	71 058	100%	100%	99%	98%	96%	93%	89%	86%	81%	76%	71%							
2009	69 881	100%	100%	99%	98%	96%	93%	90%	86%	81%	75%								
2010	72 962	100%	100%	99%	98%	96%	93%	90%	85%	80%									
2011	76 311	100%	100%	99%	98%	96%	93%	89%	84%										
2012	79 541	100%	100%	99%	98%	95%	92%	87%											
2013	79 717	100%	100%	99%	97%	94%	91%												
2014	78 792	100%	100%	99%	97%	93%													
2015	69 654	100%	100%	98%	96%														
2016	56 346	100%	99%	98%															
2017	35 631	100%	99%																
2018	13 521	99%																	
2019	2 376																		
2020	3																		

**i) Denmark**

Filing year	Applications filed	Granted patents	Validated patents	Patents still in force
2001	80 210	36 952	15 886	1 864
2002	83 267	38 025	13 002	2 095
2003	90 126	40 834	11 058	2 348
2004	97 816	44 004	8 651	2 755
2005	106 831	46 662	6 664	3 024
2006	113 861	50 388	6 721	3 561
2007	119 958	54 635	6 570	3 819
2008	130 504	63 327	7 063	4 587
2009	134 714	69 835	7 292	5 116
2010	143 458	75 479	7 899	5 919
2011	148 598	78 942	8 545	7 007
2012	152 134	82 291	8 802	7 593
2013	156 307	82 257	9 685	8 850
2014	160 712	80 952	10 540	10 020
2015	159 220	71 266	11 311	11 027
2016	161 056	57 219	11 773	11 676
2017	164 055	36 035	10 986	10 971
2018	161 088	13 588	5 365	5 362
2019	100 478	2 377	1 752	1 752
2020	59 908	3	3	3

Percentage of patents still in force at the end of the patent year

Filing year	Validated patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001	15 886	97%	84%	67%	47%	41%	39%	35%	32%	30%	27%	25%	23%	20%	18%	16%	14%	13%	12%
2002	13 002	94%	79%	57%	49%	47%	44%	41%	38%	35%	32%	29%	26%	24%	22%	19%	17%	16%	
2003	11 058	92%	68%	59%	58%	54%	51%	48%	45%	41%	38%	35%	31%	28%	25%	23%	21%		
2004	8 651	84%	75%	74%	71%	68%	65%	61%	57%	53%	48%	45%	41%	37%	33%	32%			
2005	6 664	97%	96%	94%	92%	89%	84%	79%	73%	68%	62%	57%	52%	47%	45%				
2006	6 721	100%	99%	98%	96%	92%	88%	83%	77%	71%	65%	60%	55%	53%					
2007	6 570	100%	100%	99%	96%	92%	87%	82%	77%	71%	66%	61%	58%						
2008	7 063	100%	100%	99%	96%	92%	88%	83%	78%	73%	67%	65%							
2009	7 292	100%	100%	98%	96%	93%	88%	83%	78%	73%	70%								
2010	7 899	100%	100%	99%	96%	93%	89%	84%	78%	75%									
2011	8 545	100%	100%	99%	97%	94%	90%	84%	82%										
2012	8 802	100%	100%	99%	97%	94%	89%	86%											
2013	9 685	100%	100%	99%	97%	94%	91%												
2014	10 540	100%	100%	99%	97%	95%													
2015	11 311	100%	100%	99%	97%														
2016	11 773	100%	100%	99%															
2017	10 986	100%	100%																
2018	5 365	100%																	
2019	1 752																		
2020	3																		

**j) Estonia**

Filing year	Applications filed	Granted patents	Validated patents	Patents still in force
2001				
2002	42 153	19 236	1 061	295
2003	89 481	40 452	1 983	613
2004	97 377	43 733	1 881	725
2005	106 415	46 415	1 685	748
2006	113 469	50 156	1 776	869
2007	119 667	54 432	1 567	838
2008	130 345	63 207	1 650	1 023
2009	134 658	69 784	1 646	1 153
2010	143 440	75 463	1 988	1 509
2011	148 588	78 932	2 290	1 957
2012	152 129	82 286	2 579	2 282
2013	156 304	82 253	3 368	3 133
2014	160 702	80 942	4 105	3 966
2015	159 213	71 259	5 266	5 178
2016	161 051	57 214	6 353	6 332
2017	164 051	36 032	6 859	6 858
2018	161 085	13 586	3 682	3 681
2019	100 478	2 377	1 393	1 393
2020	59 909	3	3	3

Percentage of patents still in force at the end of the patent year

Filing year	Validated patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001																			
2002	1 061	100%	100%	99%	96%	92%	83%	77%	70%	62%	57%	52%	47%	42%	38%	33%	29%	28%	
2003	1 983	100%	100%	98%	95%	89%	82%	76%	70%	65%	59%	54%	48%	44%	39%	34%	31%		
2004	1 881	100%	100%	97%	93%	88%	82%	75%	69%	64%	58%	54%	50%	46%	41%	39%			
2005	1 685	100%	99%	97%	94%	89%	83%	78%	72%	66%	62%	56%	52%	48%	44%				
2006	1 776	100%	99%	98%	94%	90%	85%	79%	73%	67%	62%	57%	52%	49%					
2007	1 567	100%	100%	98%	95%	91%	85%	81%	74%	69%	62%	57%	53%						
2008	1 650	100%	100%	98%	96%	91%	86%	81%	76%	70%	65%	62%							
2009	1 646	100%	100%	99%	97%	94%	89%	84%	78%	74%	70%								
2010	1 988	100%	100%	99%	96%	93%	89%	85%	79%	76%									
2011	2 290	100%	100%	99%	98%	96%	92%	89%	85%										
2012	2 579	100%	100%	99%	98%	96%	91%	88%											
2013	3 368	100%	100%	99%	98%	96%	93%												
2014	4 105	100%	100%	99%	98%	97%													
2015	5 266	100%	100%	99%	98%														
2016	6 353	100%	100%	100%															
2017	6 859	100%	100%																
2018	3 682	100%																	
2019	1 393																		
2020	3																		



## k) Spain

Filing year	Applications filed	Granted patents	Validated patents	Patents still in force
2001	86 645	41 339	29 916	5 576
2002	88 985	41 861	29 217	6 578
2003	95 234	44 205	29 732	7 462
2004	102 479	47 068	29 778	8 359
2005	110 906	49 360	29 298	9 434
2006	117 569	52 878	29 364	10 799
2007	123 021	56 713	28 822	12 083
2008	132 284	64 631	28 867	13 745
2009	135 159	70 190	26 369	14 430
2010	143 491	75 509	23 259	15 263
2011	148 604	78 948	20 727	16 463
2012	152 155	82 311	19 915	17 697
2013	156 327	82 277	19 699	18 268
2014	160 711	80 951	19 758	18 991
2015	159 230	71 273	17 766	17 432
2016	161 064	57 227	15 086	15 034
2017	164 058	36 038	10 803	10 800
2018	161 090	13 589	4 371	4 371
2019	100 479	2 379	1 198	1 198
2020	59 908	3	3	3

Percentage of patents still in force at the end of the patent year

Filing year	Validated patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001	29 916	99%	96%	90%	81%	74%	67%	59%	52%	47%	42%	38%	34%	31%	27%	24%	21%	19%	19%
2002	29 217	99%	95%	88%	80%	74%	65%	58%	52%	47%	42%	38%	34%	31%	28%	25%	23%	23%	
2003	29 732	99%	93%	86%	79%	71%	63%	57%	51%	45%	41%	38%	34%	31%	28%	25%	25%		
2004	29 778	97%	91%	85%	77%	69%	62%	55%	49%	45%	41%	38%	34%	31%	28%	28%			
2005	29 298	97%	91%	83%	75%	68%	60%	53%	50%	46%	42%	39%	35%	32%	32%				
2006	29 364	97%	90%	82%	73%	65%	58%	54%	51%	47%	43%	40%	37%	37%					
2007	28 822	97%	89%	80%	71%	63%	60%	56%	53%	49%	45%	42%	42%						
2008	28 867	96%	88%	77%	67%	65%	62%	58%	55%	51%	48%	48%							
2009	26 369	96%	83%	73%	71%	69%	66%	62%	58%	55%	55%								
2010	23 259	93%	83%	82%	80%	77%	73%	69%	66%	66%									
2011	20 727	94%	94%	93%	90%	87%	83%	79%	79%										
2012	19 915	99%	99%	98%	96%	93%	89%	89%											
2013	19 699	100%	100%	99%	96%	93%	93%												
2014	19 758	100%	100%	99%	96%	96%													
2015	17 766	100%	100%	98%	98%														
2016	15 086	100%	100%	100%															
2017	10 803	100%	100%																
2018	4 371	100%																	
2019	1 198																		
2020	3																		

## I) Finland

Filing year	Applications atled	Granted patents	Validated patents	Patents still in force
2001	80 874	37 390	6 545	1 428
2002	83 752	38 310	5 950	1 518
2003	90 745	41 161	5 729	1 717
2004	98 324	44 291	5 446	1 976
2005	107 309	46 953	5 327	2 287
2006	114 340	50 615	5 416	2 562
2007	120 304	54 810	5 071	2 616
2008	130 620	63 391	5 383	3 154
2009	134 716	69 830	5 121	3 282
2010	143 457	75 478	5 179	3 531
2011	148 604	78 948	5 217	3 874
2012	152 134	82 290	5 020	3 865
2013	156 316	82 266	5 058	4 196
2014	160 707	80 946	4 904	4 317
2015	159 220	71 264	4 126	3 800
2016	161 056	57 219	3 155	3 052
2017	164 053	36 033	1 804	1 783
2018	161 087	13 587	610	610
2019	100 478	2 377	93	93
2020	59 909	3	1	1

Percentage of patents still in force at the end of the patent year

Filing year	Validated patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001	6 545	100%	100%	99%	96%	92%	87%	78%	71%	66%	59%	53%	48%	43%	39%	34%	30%	26%	22%
2002	5 950	100%	100%	98%	96%	92%	84%	78%	71%	65%	59%	53%	48%	43%	39%	34%	30%	26%	
2003	5 729	100%	100%	98%	96%	90%	84%	78%	72%	66%	61%	55%	49%	44%	39%	35%	30%		
2004	5 446	100%	100%	98%	94%	89%	84%	78%	72%	66%	60%	55%	50%	46%	41%	36%			
2005	5 327	100%	100%	97%	94%	90%	85%	80%	73%	68%	63%	58%	53%	48%	43%				
2006	5 416	100%	100%	98%	95%	91%	86%	80%	74%	69%	63%	58%	53%	47%					
2007	5 071	100%	100%	98%	96%	91%	85%	80%	74%	69%	63%	57%	52%						
2008	5 383	100%	100%	99%	95%	91%	87%	81%	76%	71%	65%	59%							
2009	5 121	100%	100%	98%	95%	91%	86%	82%	77%	71%	64%								
2010	5 179	100%	100%	98%	96%	91%	86%	81%	75%	68%									
2011	5 217	100%	100%	99%	96%	92%	88%	82%	74%										
2012	5 020	100%	100%	99%	96%	91%	85%	77%											
2013	5 058	100%	100%	98%	96%	91%	83%												
2014	4 904	100%	100%	98%	94%	88%													
2015	4 126	100%	100%	97%	92%														
2016	3 155	100%	99%	97%															
2017	1 804	100%	99%																
2018	610	100%																	
2019	93																		
2020	1																		

**m) France**

Filing year	Applications filed	Granted patents	Validated patents	Patents still in force
2001	116 316	58 717	50 940	12 822
2002	116 234	57 763	50 800	15 439
2003	121 710	59 533	52 846	18 839
2004	128 262	61 729	55 137	22 362
2005	136 115	63 780	57 559	26 124
2006	140 963	66 312	59 864	30 340
2007	141 774	68 057	61 360	33 781
2008	141 919	71 198	63 357	37 868
2009	137 464	71 802	63 098	40 323
2010	143 567	75 592	66 148	45 052
2011	148 645	78 993	69 016	50 255
2012	152 181	82 338	72 368	55 062
2013	156 354	82 308	73 107	58 434
2014	160 766	81 008	72 956	60 985
2015	159 271	71 314	65 205	57 094
2016	161 097	57 265	53 276	48 548
2017	164 075	36 056	34 245	32 501
2018	161 083	13 587	13 156	12 696
2019	100 479	2 378	2 375	2 372
2020	59 908	3	3	3

Percentage of patents still in force at the end of the patent year

Filing year	Validated patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001	50 940	100%	100%	99%	97%	94%	89%	82%	76%	71%	66%	60%	54%	49%	44%	39%	33%	28%	25%
2002	50 800	100%	100%	99%	97%	93%	86%	81%	76%	71%	65%	59%	54%	49%	44%	39%	34%	30%	
2003	52 846	100%	100%	99%	96%	91%	86%	82%	77%	71%	65%	60%	55%	50%	44%	39%	36%		
2004	55 137	100%	100%	98%	94%	90%	86%	82%	76%	71%	65%	61%	55%	49%	44%	41%			
2005	57 559	100%	99%	96%	93%	90%	86%	81%	76%	70%	66%	60%	55%	49%	45%				
2006	59 864	100%	99%	96%	94%	90%	86%	81%	76%	71%	66%	60%	54%	51%					
2007	61 360	100%	99%	97%	94%	90%	86%	81%	76%	71%	65%	59%	55%						
2008	63 357	100%	99%	97%	94%	90%	85%	81%	76%	70%	64%	60%							
2009	63 098	100%	99%	96%	93%	89%	85%	80%	74%	68%	64%								
2010	66 148	100%	99%	96%	93%	89%	84%	79%	72%	68%									
2011	69 016	100%	99%	96%	93%	88%	83%	77%	73%										
2012	72 368	100%	98%	96%	92%	87%	81%	76%											
2013	73 107	100%	99%	96%	91%	85%	80%												
2014	72 956	100%	98%	95%	89%	84%													
2015	65 205	100%	98%	93%	88%														
2016	53 276	99%	97%	91%															
2017	34 245	99%	95%																
2018	13 156	97%																	
2019	2 375																		
2020	3																		

## n) United Kingdom

Filing year	Applications filed	Granted patents	Validated patents	Patents still in force
2001	116 244	58 370	52 405	12 643
2002	115 759	57 230	51 178	14 993
2003	120 878	58 706	52 407	17 881
2004	127 151	60 695	54 089	21 304
2005	135 085	62 834	56 602	24 876
2006	139 898	65 258	59 180	28 809
2007	140 662	67 029	60 479	31 704
2008	141 481	70 704	63 258	35 767
2009	137 199	71 522	63 130	37 993
2010	143 276	75 319	66 483	42 286
2011	148 369	78 737	69 260	47 106
2012	151 830	82 021	72 447	51 767
2013	155 963	81 963	73 789	55 604
2014	160 407	80 693	73 917	57 941
2015	158 963	71 072	66 650	53 673
2016	160 850	57 072	55 921	48 972
2017	163 952	35 968	35 968	35 968
2018	161 020	13 564	13 564	13 563
2019	100 438	2 369	2 369	2 369
2020	59 906	3	3	3

Percentage of patents still in force at the end of the patent year

Filing year	Validated patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001	52 405	100%	100%	98%	95%	91%	87%	79%	73%	67%	62%	56%	50%	44%	39%	33%	28%	23%	20%
2002	51 178	100%	100%	98%	95%	91%	85%	80%	75%	70%	64%	59%	53%	47%	42%	37%	32%	29%	
2003	52 407	100%	100%	97%	95%	89%	84%	80%	75%	69%	64%	59%	53%	48%	43%	37%	34%		
2004	54 089	100%	100%	97%	93%	89%	84%	80%	75%	70%	64%	59%	54%	48%	43%	39%			
2005	56 602	100%	100%	95%	92%	88%	84%	79%	74%	69%	64%	58%	53%	47%	44%				
2006	59 180	100%	100%	94%	91%	87%	83%	78%	74%	68%	63%	58%	52%	49%					
2007	60 479	100%	100%	94%	91%	87%	82%	78%	73%	67%	62%	56%	52%						
2008	63 258	100%	100%	94%	90%	86%	81%	77%	71%	66%	60%	57%							
2009	63 130	100%	100%	92%	89%	85%	80%	75%	70%	64%	60%								
2010	66 483	100%	100%	92%	88%	84%	79%	74%	68%	64%									
2011	69 260	100%	100%	92%	88%	83%	78%	72%	68%										
2012	72 447	100%	100%	92%	87%	82%	76%	71%											
2013	73 789	100%	100%	91%	86%	80%	75%												
2014	73 917	100%	100%	90%	84%	78%													
2015	66 650	100%	100%	86%	81%														
2016	55 921	100%	100%	88%															
2017	35 968	100%	100%																
2018	13 564	100%																	
2019	2 369																		
2020	3																		

**o) Greece**

Filing year	Applications filed	Granted patents	Validated patents	Patents still in force
2001	79 558	36 659	20 823	1 052
2002	82 705	37 694	20 605	1 064
2003	89 641	40 520	21 744	1 137
2004	97 482	43 798	22 988	1 324
2005	106 498	46 472	24 114	1 461
2006	113 521	50 185	26 129	1 729
2007	119 715	54 462	27 469	1 701
2008	130 367	63 224	31 629	1 979
2009	134 666	69 791	33 969	2 112
2010	143 446	75 468	37 035	2 580
2011	148 589	78 933	39 192	3 107
2012	152 130	82 287	41 319	3 464
2013	156 303	82 253	42 893	4 329
2014	160 703	80 943	43 210	5 212
2015	159 214	71 259	38 194	6 264
2016	161 046	57 214	31 937	7 129
2017	164 051	36 032	21 932	7 352
2018	161 083	13 586	9 189	3 857
2019	100 478	2 377	2 345	1 408
2020	59 908	3	3	3

Percentage of patents still in force at the end of the patent year

Filing year	Validated patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001	20 823	98%	87%	73%	57%	46%	39%	31%	26%	21%	18%	15%	13%	11%	9%	8%	7%	6%	5%
2002	20 605	96%	86%	71%	58%	49%	40%	33%	27%	22%	18%	15%	13%	11%	9%	8%	6%	5%	
2003	21 744	95%	82%	69%	58%	48%	39%	33%	27%	22%	18%	15%	13%	10%	8%	6%	5%		
2004	22 988	93%	81%	70%	58%	49%	40%	33%	27%	23%	19%	16%	12%	9%	7%	6%			
2005	24 114	94%	82%	70%	59%	49%	40%	33%	27%	23%	18%	14%	11%	8%	6%				
2006	26 129	94%	82%	71%	59%	49%	40%	33%	27%	21%	16%	12%	9%	7%					
2007	27 469	94%	82%	70%	58%	48%	40%	33%	26%	19%	13%	9%	6%						
2008	31 629	95%	84%	70%	58%	48%	39%	31%	23%	16%	9%	6%							
2009	33 969	94%	82%	68%	57%	46%	37%	27%	18%	10%	6%								
2010	37 035	94%	82%	70%	57%	45%	33%	22%	13%	7%									
2011	39 192	94%	83%	69%	56%	41%	28%	16%	8%										
2012	41 319	94%	81%	66%	49%	33%	18%	8%											
2013	42 893	94%	81%	62%	42%	23%	10%												
2014	43 210	94%	77%	55%	30%	12%													
2015	38 194	91%	71%	42%	16%														
2016	31 937	87%	59%	22%															
2017	21 932	79%	34%																
2018	9 189	42%																	
2019	2 345																		
2020	3																		

**p) Croatia**

Filing year	Applications filed	Granted patents	Validated patents	Patents still in force
2001				
2002				
2003				
2004				
2005				
2006				
2007				
2008	130 322	63 204	1 818	861
2009	134 657	69 785	1 836	950
2010	143 445	75 467	1 806	1 080
2011	148 588	78 932	1 554	1 099
2012	152 128	82 286	1 517	1 172
2013	156 304	82 253	1 494	1 228
2014	160 703	80 943	1 417	1 258
2015	159 214	71 259	1 208	1 114
2016	161 051	57 214	843	812
2017	164 051	36 032	471	467
2018	161 085	13 586	171	170
2019	100 478	2 377	24	24
2020	59 909	3	1	1

Percentage of patents still in force at the end of the patent year

Filing year	Validated patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001																			
2002																			
2003																			
2004																			
2005																			
2006																			
2007																			
2008	1 818																		
2009	1 836	100%	100%	84%	82%	78%	73%	68%	61%	56%	52%								
2010	1 806	100%	90%	89%	86%	81%	76%	70%	64%	60%									
2011	1 554	96%	96%	95%	93%	89%	82%	76%	71%										
2012	1 517	100%	100%	98%	94%	89%	83%	77%											
2013	1 494	100%	100%	98%	94%	89%	82%												
2014	1 417	100%	100%	98%	93%	89%													
2015	1 208	100%	99%	96%	92%														
2016	843	100%	99%	96%															
2017	471	100%	99%																
2018	171	99%																	
2019	24																		
2020	1																		

q) Hungary

Filing year	Applications filed	Granted patents	Validated patents	Patents still in force
2001				
2002				
2003	89 448	40 506	16 135	1 615
2004	97 544	43 846	15 067	2 122
2005	106 587	46 541	13 166	2 459
2006	113 702	50 302	11 288	3 145
2007	119 994	54 639	8 606	3 680
2008	130 482	63 291	7 317	5 099
2009	134 691	69 808	7 918	6 528
2010	143 444	75 466	10 023	8 786
2011	148 591	78 935	13 057	12 087
2012	152 132	82 289	15 689	14 720
2013	156 305	82 254	20 697	20 081
2014	160 702	80 943	27 234	26 857
2015	159 215	71 260	33 577	33 368
2016	161 052	57 215	37 734	37 605
2017	164 051	36 032	29 837	29 825
2018	161 085	13 586	13 553	13 550
2019	100 478	2 377	2 377	2 377
2020	59 909	3	3	3

Percentage of patents still in force at the end of the patent year

Filing year	Validated patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001																			
2002																			
2003	16 135	97%	83%	64%	48%	33%	23%	21%	20%	18%	17%	16%	14%	13%	12%	11%	10%		
2004	15 067	96%	78%	60%	40%	28%	26%	24%	23%	21%	20%	19%	17%	16%	15%	14%			
2005	13 166	95%	75%	51%	34%	33%	31%	29%	27%	26%	24%	23%	21%	20%	19%				
2006	11 288	93%	69%	46%	44%	43%	41%	39%	36%	34%	32%	31%	29%	28%					
2007	8 606	91%	65%	64%	62%	60%	58%	55%	52%	50%	47%	44%	43%						
2008	7 317	92%	92%	91%	89%	87%	84%	81%	77%	74%	72%	70%							
2009	7 918	100%	100%	99%	98%	96%	94%	91%	88%	84%	82%								
2010	10 023	100%	100%	99%	98%	96%	94%	92%	89%	88%									
2011	13 057	100%	100%	99%	99%	97%	96%	94%	93%										
2012	15 689	99%	99%	98%	98%	96%	95%	94%											
2013	20 697	100%	100%	100%	99%	98%	97%												
2014	27 234	100%	100%	100%	99%	99%													
2015	33 577	100%	100%	100%	99%														
2016	37 734	100%	100%	100%															
2017	29 837	100%	100%																
2018	13 553	100%																	
2019	2 377																		
2020	3																		

## r) Ireland

Filing year	Applications filed	Granted patents	Validated patents	Patents still in force
2001	80 348	37 115	17 741	1 876
2002	83 252	38 058	17 485	2 188
2003	90 191	40 872	18 701	2 525
2004	97 930	44 043	19 751	3 010
2005	106 921	46 714	21 122	3 443
2006	114 040	50 477	23 519	4 024
2007	120 199	54 772	25 488	4 479
2008	130 650	63 413	30 946	5 515
2009	134 724	69 830	35 024	6 491
2010	143 438	75 460	40 318	8 184
2011	148 579	78 923	43 387	10 391
2012	152 119	82 279	46 267	12 242
2013	156 297	82 248	49 009	15 990
2014	160 694	80 937	50 602	19 853
2015	159 203	71 251	47 338	23 770
2016	161 027	57 203	41 644	26 403
2017	164 027	36 019	28 707	22 337
2018	161 068	13 578	12 146	10 319
2019	100 476	2 377	2 377	2 377
2020	59 907	3	3	3

Percentage of patents still in force at the end of the patent year

Filing year	Validated patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001	17 741	100%	98%	89%	78%	67%	58%	48%	42%	36%	31%	27%	23%	21%	18%	15%	13%	10%	9%
2002	17 485	100%	96%	88%	78%	68%	58%	51%	44%	38%	33%	28%	25%	22%	19%	16%	14%	13%	
2003	18 701	100%	95%	86%	77%	66%	59%	51%	45%	38%	33%	29%	25%	21%	18%	15%	14%		
2004	19 751	100%	95%	86%	76%	68%	60%	53%	45%	38%	34%	30%	25%	21%	17%	15%			
2005	21 122	100%	95%	86%	78%	69%	61%	52%	44%	38%	33%	27%	23%	18%	16%				
2006	23 519	100%	94%	87%	78%	69%	59%	50%	43%	37%	30%	25%	19%	17%					
2007	25 488	100%	95%	87%	79%	67%	57%	49%	42%	34%	27%	21%	18%						
2008	30 946	100%	96%	88%	75%	64%	54%	46%	37%	29%	21%	18%							
2009	35 024	99%	95%	82%	70%	60%	51%	41%	32%	23%	19%								
2010	40 318	99%	92%	79%	68%	58%	46%	36%	26%	20%									
2011	43 387	98%	92%	79%	68%	55%	43%	31%	24%										
2012	46 267	98%	91%	78%	64%	49%	35%	26%											
2013	49 009	98%	93%	77%	61%	43%	33%												
2014	50 602	98%	91%	74%	53%	39%													
2015	47 338	97%	88%	67%	50%														
2016	41 644	97%	84%	63%															
2017	28 707	94%	78%																
2018	12 146	85%																	
2019	2 377																		
2020	3																		



## s) Iceland

Filing year	Applications filed	Granted patents	Validated patents	Patents still in force
2001				
2002				
2003				
2004	18 280	8 238	494	106
2005	106 402	46 417	22 956	741
2006	113 465	50 154	25 036	926
2007	119 670	54 435	26 399	936
2008	130 336	63 203	30 474	1 155
2009	134 657	69 785	32 900	1 430
2010	143 441	75 464	36 047	1 875
2011	148 588	78 932	38 382	2 550
2012	152 129	82 286	40 891	3 132
2013	156 304	82 253	42 511	4 348
2014	160 702	80 942	43 061	5 890
2015	159 212	71 257	38 335	7 591
2016	161 051	57 214	32 371	9 226
2017	164 051	36 032	22 481	9 626
2018	161 085	13 586	9 454	4 923
2019	100 478	2 377	2 346	1 713
2020	59 909	3	3	3

Percentage of patents still in force at the end of the patent year

Filing year	Validated patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001																			
2002																			
2003																			
2004	494	100%	96%	91%	77%	70%	64%	60%	51%	45%	40%	37%	32%	28%	23%	21%			
2005	22 956	95%	82%	68%	56%	45%	36%	29%	24%	19%	15%	10%	7%	4%	3%				
2006	25 036	94%	82%	69%	56%	45%	37%	30%	24%	18%	13%	9%	5%	4%					
2007	26 399	95%	82%	69%	56%	46%	37%	30%	23%	16%	11%	6%	4%						
2008	30 474	95%	84%	69%	57%	47%	38%	30%	21%	13%	7%	4%							
2009	32 900	95%	82%	69%	57%	46%	36%	25%	16%	8%	4%								
2010	36 047	95%	84%	70%	57%	45%	32%	21%	11%	5%									
2011	38 382	95%	84%	70%	56%	41%	27%	15%	7%										
2012	40 891	95%	83%	67%	49%	32%	18%	8%											
2013	42 511	95%	83%	63%	43%	24%	10%												
2014	43 061	95%	79%	56%	33%	14%													
2015	38 335	92%	74%	46%	20%														
2016	32 371	89%	64%	29%															
2017	22 481	83%	43%																
2018	9 454	52%																	
2019	2 346																		
2020	3																		

**t) Italy**

Filing year	Applications filed	Granted patents	Validated patents	Patents still in force
2001	98 467	48 644	31 069	8 000
2002	99 796	48 627	30 239	9 188
2003	104 999	50 195	30 071	10 896
2004	111 541	52 621	30 100	12 304
2005	119 539	54 746	29 372	13 904
2006	125 240	57 753	29 093	16 028
2007	128 734	60 616	29 094	17 778
2008	135 017	66 695	29 515	19 876
2009	135 770	70 686	28 467	20 826
2010	143 517	75 535	28 826	22 751
2011	148 624	78 967	29 366	24 876
2012	152 164	82 322	30 309	26 896
2013	156 342	82 292	30 554	28 336
2014	160 726	80 965	31 699	30 359
2015	159 239	71 282	29 232	28 666
2016	161 069	57 237	26 165	26 115
2017	164 069	36 048	19 880	19 880
2018	161 089	13 589	8 447	8 447
2019	100 481	2 380	2 092	2 092
2020	59 907	3	3	3

Percentage of patents still in force at the end of the patent year

Filing year	Validated patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001	31 069	100%	100%	99%	99%	94%	86%	78%	72%	67%	61%	55%	50%	44%	39%	35%	31%	26%	26%
2002	30 239	100%	100%	100%	97%	90%	83%	77%	72%	67%	61%	55%	50%	45%	40%	35%	31%	30%	
2003	30 071	100%	100%	99%	93%	87%	83%	78%	73%	67%	62%	56%	51%	46%	41%	37%	36%		
2004	30 100	100%	100%	95%	91%	87%	83%	78%	73%	68%	62%	57%	51%	46%	41%	41%			
2005	29 372	100%	97%	95%	92%	89%	85%	80%	75%	69%	64%	58%	53%	48%	47%				
2006	29 093	100%	100%	98%	96%	92%	88%	83%	78%	72%	66%	61%	55%	55%					
2007	29 094	100%	100%	99%	96%	92%	88%	83%	78%	73%	68%	62%	61%						
2008	29 515	100%	100%	99%	96%	93%	88%	84%	79%	73%	68%	67%							
2009	28 467	100%	100%	98%	96%	93%	89%	84%	80%	74%	73%								
2010	28 826	100%	100%	99%	97%	94%	90%	85%	79%	79%									
2011	29 366	100%	100%	99%	97%	93%	90%	85%	85%										
2012	30 309	100%	100%	99%	97%	94%	89%	89%											
2013	30 554	100%	100%	99%	97%	93%	93%												
2014	31 699	100%	100%	99%	96%	96%													
2015	29 232	100%	100%	98%	98%														
2016	26 165	100%	100%	100%															
2017	19 880	100%	100%																
2018	8 447	100%																	
2019	2 092																		
2020	3																		

## u) Lithuania

Filing year	Applications filed	Granted patents	Validated patents	Patents still in force
2001				
2002				
2003				
2004	9 757	4 428	166	58
2005	106 406	46 417	1 698	708
2006	113 471	50 159	1 764	822
2007	119 675	54 437	1 501	731
2008	130 343	63 206	1 511	826
2009	134 658	69 785	1 434	902
2010	143 441	75 464	1 471	966
2011	148 588	78 932	1 391	1 029
2012	152 129	82 286	1 317	1 009
2013	156 304	82 253	1 353	1 105
2014	160 702	80 942	1 237	1 093
2015	159 212	71 258	1 043	944
2016	161 043	57 213	717	695
2017	164 052	36 032	413	412
2018	161 084	13 586	121	120
2019	100 478	2 377	29	29
2020	59 909	3	1	1

Percentage of patents still in force at the end of the patent year

Filing year	Validated patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001																			
2002																			
2003																			
2004	166	100%	99%	97%	92%	90%	84%	74%	66%	60%	57%	53%	45%	39%	35%	35%			
2005	1 698	100%	99%	97%	93%	89%	82%	77%	71%	65%	60%	55%	50%	45%	42%				
2006	1 764	100%	99%	98%	94%	90%	85%	79%	73%	67%	61%	56%	50%	47%					
2007	1 501	100%	100%	98%	94%	89%	83%	79%	72%	66%	59%	53%	49%						
2008	1 511	100%	100%	98%	95%	90%	84%	78%	71%	64%	58%	55%							
2009	1 434	100%	100%	98%	96%	93%	87%	81%	74%	68%	63%								
2010	1 471	100%	100%	98%	95%	91%	85%	79%	71%	66%									
2011	1 391	100%	100%	98%	96%	93%	86%	80%	74%										
2012	1 317	100%	100%	99%	97%	93%	83%	77%											
2013	1 353	100%	100%	98%	96%	89%	82%												
2014	1 237	100%	100%	97%	93%	88%													
2015	1 043	100%	100%	96%	91%														
2016	717	100%	100%	97%															
2017	413	100%	100%																
2018	121	99%																	
2019	29																		
2020	1																		

v) Luxembourg

Filing year	Applications filed	Granted patents	Validated patents	Patents still in force
2001	79 608	36 689	20 899	853
2002	82 691	37 693	20 553	891
2003	89 621	40 518	21 698	992
2004	97 451	43 764	22 874	1 197
2005	106 480	46 451	24 056	1 337
2006	113 520	50 192	26 178	1 586
2007	119 712	54 463	27 624	1 742
2008	130 361	63 220	31 837	2 193
2009	134 664	69 788	34 376	2 707
2010	143 450	75 472	37 532	3 493
2011	148 591	78 935	39 637	4 610
2012	152 127	82 285	42 092	5 776
2013	156 306	82 256	43 859	7 864
2014	160 700	80 942	44 504	10 208
2015	159 217	71 262	39 924	12 811
2016	161 050	57 215	33 793	15 338
2017	164 054	36 037	22 813	15 209
2018	161 084	13 586	9 499	7 431
2019	100 476	2 377	2 377	2 377
2020	59 908	3	3	3

Percentage of patents still in force at the end of the patent year

Filing year	Validated patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001	20 899	100%	95%	80%	64%	50%	40%	32%	25%	21%	17%	14%	12%	10%	9%	7%	6%	5%	4%
2002	20 553	99%	92%	79%	63%	52%	41%	34%	27%	21%	17%	14%	12%	10%	8%	7%	5%		
2003	21 698	99%	91%	75%	63%	51%	42%	34%	27%	22%	18%	15%	13%	10%	8%	6%	5%		
2004	22 874	99%	88%	75%	62%	52%	42%	34%	28%	23%	19%	16%	12%	9%	7%	5%			
2005	24 056	99%	90%	75%	64%	53%	43%	35%	29%	23%	19%	15%	11%	8%	6%				
2006	26 178	99%	88%	76%	64%	53%	43%	35%	29%	23%	17%	13%	9%	6%					
2007	27 624	98%	89%	76%	63%	53%	43%	35%	29%	21%	15%	10%	6%						
2008	31 837	99%	90%	77%	64%	53%	44%	35%	26%	19%	11%	7%							
2009	34 376	99%	89%	75%	63%	52%	42%	32%	23%	14%	8%								
2010	37 532	98%	90%	76%	63%	52%	39%	28%	17%	9%									
2011	39 637	98%	91%	77%	64%	49%	35%	22%	12%										
2012	42 092	98%	90%	75%	59%	42%	26%	14%											
2013	43 859	98%	92%	73%	54%	34%	18%												
2014	44 504	98%	89%	69%	45%	23%													
2015	39 924	97%	86%	60%	32%														
2016	33 793	96%	80%	45%															
2017	22 813	92%	67%																
2018	9 499	78%																	
2019	2 377																		
2020	3																		

w) Latvia

Filing year	Applications filed	Granted patents	Validated patents	Patents still in force
2001				
2002				
2003				
2004				
2005	54 180	23 739	739	289
2006	113 462	50 154	1 707	729
2007	119 665	54 432	1 459	658
2008	130 341	63 204	1 409	725
2009	134 657	69 784	1 404	817
2010	143 440	75 463	1 367	841
2011	148 588	78 932	1 274	903
2012	152 130	82 287	1 212	895
2013	156 304	82 253	1 224	973
2014	160 702	80 942	1 063	918
2015	159 213	71 258	914	815
2016	161 046	57 214	622	600
2017	164 051	36 032	324	322
2018	161 084	13 586	100	100
2019	100 478	2 377	20	20
2020	59 909	3	1	1

Percentage of patents still in force at the end of the patent year

Filing year	Validated patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001																			
2002																			
2003																			
2004																			
2005	739	100%	99%	97%	95%	89%	83%	78%	71%	64%	58%	50%	45%	41%	39%				
2006	1 707	100%	99%	98%	94%	90%	86%	80%	72%	64%	57%	52%	46%	43%					
2007	1 459	100%	100%	97%	93%	89%	83%	78%	69%	62%	55%	49%	45%						
2008	1 409	100%	100%	98%	94%	89%	83%	76%	68%	62%	56%	51%							
2009	1 404	100%	100%	99%	96%	92%	85%	77%	70%	64%	58%								
2010	1 367	100%	100%	98%	94%	89%	83%	77%	67%	62%									
2011	1 274	100%	100%	98%	96%	91%	84%	78%	71%										
2012	1 212	100%	100%	99%	96%	92%	82%	74%											
2013	1 224	100%	100%	97%	95%	88%	79%												
2014	1 063	100%	99%	96%	92%	86%													
2015	914	100%	99%	96%	89%														
2016	622	100%	99%	96%															
2017	324	100%	99%																
2018	100	100%																	
2019	20																		
2020	1																		

**x) Monaco**

Filing year	Applications filed	Granted patents	Validated patents	Patents still in force
2001	79 426	36 573	18 915	523
2002	82 580	37 623	17 815	520
2003	89 527	40 458	17 779	599
2004	97 372	43 724	17 346	763
2005	106 412	46 411	16 290	850
2006	113 459	50 147	15 596	1 046
2007	119 667	54 429	13 542	1 151
2008	130 339	63 202	11 485	1 494
2009	134 653	69 779	8 328	1 866
2010	143 439	75 462	5 499	2 663
2011	148 587	78 931	4 721	3 755
2012	152 126	82 283	5 106	4 745
2013	156 303	82 253	7 165	6 880
2014	160 699	80 941	9 565	9 356
2015	159 215	71 260	12 788	12 675
2016	161 044	57 214	16 762	16 711
2017	164 048	36 032	16 526	16 523
2018	161 083	13 586	7 981	7 981
2019	100 476	2 377	2 337	2 337
2020	59 907	3	3	3

Percentage of patents still in force at the end of the patent year

Filing year	Validated patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001	18 915	100%	94%	76%	58%	42%	32%	23%	16%	11%	8%	6%	6%	5%	4%	4%	3%	3%	3%
2002	17 815	99%	90%	74%	56%	43%	30%	22%	15%	9%	6%	6%	5%	5%	4%	4%	3%	3%	
2003	17 779	99%	88%	69%	53%	38%	27%	18%	10%	7%	7%	6%	5%	5%	4%	4%	3%		
2004	17 346	98%	84%	66%	48%	35%	22%	12%	8%	7%	7%	6%	6%	5%	5%	4%			
2005	16 290	98%	84%	62%	45%	28%	14%	9%	8%	8%	7%	7%	6%	6%	5%				
2006	15 596	98%	80%	59%	38%	18%	11%	11%	10%	9%	9%	8%	7%	7%					
2007	13 542	97%	77%	49%	23%	14%	13%	12%	11%	11%	10%	9%	8%						
2008	11 485	96%	73%	35%	19%	18%	17%	16%	16%	15%	14%	13%							
2009	8 328	94%	53%	30%	29%	28%	27%	26%	25%	24%	22%								
2010	5 499	86%	59%	58%	57%	56%	54%	52%	50%	48%									
2011	4 721	90%	89%	89%	88%	87%	84%	82%	80%										
2012	5 106	100%	100%	100%	99%	97%	96%	93%											
2013	7 165	100%	100%	100%	99%	98%	96%												
2014	9 565	100%	100%	100%	99%	98%													
2015	12 788	100%	100%	100%	99%														
2016	16 762	100%	100%	100%															
2017	16 526	100%	100%																
2018	7 981	100%																	
2019	2 337																		
2020	3																		

y) North Macedonia

Filing year	Applications filed	Granted patents	Validated patents	Patents still in force
2001				
2002				
2003				
2004				
2005				
2006				
2007				
2008				
2009	134 649	69 780	10 746	10 625
2010	143 438	75 462	15 248	15 158
2011	148 588	78 932	20 892	20 867
2012	152 128	82 286	26 705	26 700
2013	156 304	82 253	36 360	36 357
2014	160 702	80 942	47 386	47 386
2015	159 211	71 257	54 724	54 724
2016	161 051	57 214	52 108	52 108
2017	164 051	36 032	36 032	36 032
2018	161 085	13 586	13 586	13 586
2019	100 478	2 377	2 377	2 377
2020	59 909	3	3	3

Percentage of patents still in force at the end of the patent year

Filing year	Validated patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001																			
2002																			
2003																			
2004																			
2005																			
2006																			
2007																			
2008																			
2009	10 746																		
2010	15 248	100%	100%	100%	100%	99%	99%	99%	99%										
2011	20 892	100%	100%	100%	100%	100%	100%	100%											
2012	26 705	100%	100%	100%	100%	100%	100%	100%											
2013	36 360	100%	100%	100%	100%	100%													
2014	47 386	100%	100%	100%	100%														
2015	54 724	100%	100%	100%															
2016	52 108	100%	100%																
2017	36 032	100%																	
2018	13 586																		
2019	2 377																		
2020	3																		

**z) Malta**

Filing year	Applications filed	Granted patents	Validated patents	Patents still in force
2001				
2002				
2003				
2004				
2005				
2006				
2007	102 237	46 644	7 839	4 287
2008	130 334	63 200	13 779	6 591
2009	134 655	69 784	18 140	9 106
2010	143 441	75 463	24 821	13 096
2011	148 588	78 932	32 696	18 386
2012	152 129	82 286	40 834	23 603
2013	156 304	82 253	49 174	32 009
2014	160 701	80 943	55 451	41 676
2015	159 214	71 259	56 357	49 500
2016	161 045	57 214	51 478	48 675
2017	164 050	36 032	35 224	34 497
2018	161 083	13 586	13 586	13 586
2019	100 477	2 377	2 377	2 377
2020	59 908	3	3	3

Percentage of patents still in force at the end of the patent year

Filing year	Validated patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001																			
2002																			
2003																			
2004																			
2005																			
2006																			
2007	7 839	100%	100%	100%	99%	99%	98%	97%	84%	69%	57%	55%							
2008	13 779	100%	100%	100%	99%	99%	98%	84%	68%	53%	48%								
2009	18 140	100%	100%	100%	100%	99%	85%	69%	55%	50%									
2010	24 821	100%	100%	100%	100%	87%	72%	58%	53%										
2011	32 696	100%	100%	100%	89%	75%	62%	56%											
2012	40 834	100%	100%	91%	77%	63%	58%												
2013	49 174	100%	97%	86%	72%	65%													
2014	55 451	99%	94%	83%	75%														
2015	56 357	99%	94%	88%															
2016	51 478	98%	95%																
2017	35 224	98%																	
2018	13 586																		
2019	2 377																		
2020	3																		



aa) Netherlands

Filing year	Applications filed	Granted patents	Validated patents	Patents still in force
2001	85 718	40 298	16 182	3 954
2002	87 802	40 614	15 323	4 429
2003	94 751	43 314	15 247	5 196
2004	102 362	46 389	15 628	6 310
2005	110 857	48 772	15 796	7 305
2006	117 883	52 504	16 422	8 596
2007	122 852	56 180	16 514	9 514
2008	132 135	64 267	17 593	11 290
2009	135 050	70 037	17 560	12 159
2010	143 478	75 500	18 260	13 587
2011	148 624	78 965	18 566	14 801
2012	152 163	82 319	18 894	15 836
2013	156 325	82 274	19 316	17 113
2014	160 718	80 958	19 005	17 530
2015	159 231	71 276	17 421	16 654
2016	161 062	57 231	15 270	15 025
2017	164 067	36 046	11 219	11 160
2018	161 087	13 588	4 495	4 495
2019	100 478	2 377	1 086	1 086
2020	59 909	3	1	1

Percentage of patents still in force at the end of the patent year

Filing year	Validated patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001	16 182	100%	100%	99%	97%	94%	90%	84%	76%	71%	66%	60%	55%	47%	42%	37%	32%	28%	24%
2002	15 323	100%	100%	99%	98%	95%	90%	83%	77%	72%	66%	60%	52%	47%	42%	38%	33%	29%	
2003	15 247	100%	100%	99%	97%	94%	88%	83%	79%	74%	68%	59%	54%	48%	43%	38%	34%		
2004	15 628	100%	100%	99%	97%	92%	88%	84%	79%	74%	65%	60%	55%	50%	45%	40%			
2005	15 796	100%	100%	99%	96%	93%	90%	86%	81%	72%	67%	61%	56%	51%	46%				
2006	16 422	100%	100%	99%	97%	94%	91%	86%	78%	73%	67%	62%	57%	52%					
2007	16 514	100%	100%	99%	98%	95%	91%	84%	79%	73%	68%	62%	58%						
2008	17 593	100%	100%	99%	98%	95%	89%	85%	80%	75%	69%	64%							
2009	17 560	100%	100%	99%	98%	93%	89%	85%	80%	75%	69%								
2010	18 260	100%	100%	99%	97%	94%	90%	85%	80%	74%									
2011	18 566	100%	100%	99%	97%	94%	90%	85%	80%										
2012	18 894	100%	100%	99%	97%	93%	89%	84%											
2013	19 316	100%	100%	99%	97%	93%	89%												
2014	19 005	100%	100%	99%	96%	92%													
2015	17 421	100%	100%	98%	96%														
2016	15 270	100%	100%	98%															
2017	11 219	100%	99%																
2018	4 495	100%																	
2019	1 086																		
2020	1																		

**bb) Norway**

Filing year	Applications filed	Granted patents	Validated patents	Patents still in force
2001				
2002				
2003				
2004				
2005				
2006				
2007				
2008	130 424	63 271	32 709	2 881
2009	134 689	69 814	35 218	3 280
2010	143 451	75 473	38 373	3 939
2011	148 596	78 940	40 593	4 782
2012	152 133	82 290	42 906	5 408
2013	156 305	82 254	44 326	6 290
2014	160 701	80 941	44 627	7 328
2015	159 218	71 263	39 326	8 106
2016	161 057	57 220	32 816	8 567
2017	164 055	36 036	22 322	8 120
2018	161 084	13 586	9 270	4 024
2019	100 478	2 377	2 348	1 421
2020	59 909	3	3	3

Percentage of patents still in force at the end of the patent year

Filing year	Validated patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001																			
2002																			
2003																			
2004																			
2005																			
2006																			
2007																			
2008	32 709	95%	84%	72%	59%	50%	42%	34%	26%	18%	12%	9%							
2009	35 218	94%	83%	70%	59%	49%	40%	30%	21%	14%	9%								
2010	38 373	95%	83%	71%	58%	47%	36%	25%	16%	10%									
2011	40 593	94%	84%	70%	58%	44%	31%	20%	12%										
2012	42 906	94%	82%	68%	51%	36%	22%	13%											
2013	44 326	95%	82%	64%	45%	27%	14%												
2014	44 627	94%	78%	57%	34%	16%													
2015	39 326	91%	73%	45%	21%														
2016	32 816	88%	61%	26%															
2017	22 322	79%	36%																
2018	9 270	43%																	
2019	2 348																		
2020	3																		

cc) Poland

Filing year	Applications filed	Granted patents	Validated patents	Patents still in force
2001				
2002				
2003				
2004	84 563	37 955	6 440	3 003
2005	106 824	46 713	7 704	4 138
2006	113 931	50 481	8 212	4 878
2007	120 122	54 764	8 293	5 212
2008	130 597	63 374	8 797	6 156
2009	134 735	69 849	8 988	6 785
2010	143 458	75 480	9 285	7 580
2011	148 595	78 941	9 473	8 240
2012	152 140	82 297	9 328	8 434
2013	156 310	82 260	9 338	8 753
2014	160 706	80 946	9 317	8 950
2015	159 221	71 265	8 896	8 772
2016	161 051	57 214	7 644	7 623
2017	164 057	36 037	5 718	5 716
2018	161 085	13 587	2 447	2 447
2019	100 478	2 377	693	693
2020	59 909	3	3	3

Percentage of patents still in force at the end of the patent year

Filing year	Validated patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001																			
2002																			
2003																			
2004	6 440	100%	100%	98%	94%	89%	85%	79%	74%	69%	63%	59%	54%	49%	47%	47%			
2005	7 704	100%	100%	98%	94%	91%	87%	82%	76%	71%	66%	60%	55%	54%	54%				
2006	8 212	100%	100%	98%	95%	92%	87%	82%	76%	71%	66%	61%	59%	59%					
2007	8 293	100%	100%	98%	96%	92%	87%	82%	76%	71%	65%	63%	63%						
2008	8 797	100%	100%	99%	96%	92%	88%	83%	78%	72%	70%	70%							
2009	8 988	100%	100%	99%	96%	92%	88%	83%	77%	75%	75%								
2010	9 285	100%	100%	98%	96%	93%	88%	82%	82%	82%									
2011	9 473	100%	100%	99%	96%	93%	88%	87%	87%										
2012	9 328	100%	100%	99%	96%	92%	90%	90%											
2013	9 338	100%	100%	98%	96%	94%	94%												
2014	9 317	100%	100%	98%	96%	96%													
2015	8 896	100%	100%	99%	99%														
2016	7 644	100%	100%	100%															
2017	5 718	100%	100%																
2018	2 447	100%																	
2019	693																		
2020	3																		

dd) Portugal

Filing year	Applications filed	Granted patents	Validated patents	Patents still in force
2001	79 650	36 726	21 179	1 356
2002	82 834	37 780	20 931	1 368
2003	89 691	40 578	21 847	1 435
2004	97 557	43 850	22 857	1 733
2005	106 569	46 526	23 771	1 874
2006	113 565	50 221	25 608	2 217
2007	119 741	54 482	26 465	2 292
2008	130 400	63 242	29 257	2 794
2009	134 679	69 802	31 651	3 130
2010	143 450	75 472	33 741	3 686
2011	148 593	78 937	34 792	4 400
2012	152 132	82 288	35 624	5 132
2013	156 311	82 261	35 931	6 430
2014	160 705	80 946	35 946	7 742
2015	159 214	71 260	35 451	9 254
2016	161 051	57 215	31 899	10 506
2017	164 052	36 033	23 082	10 599
2018	161 086	13 587	9 656	5 318
2019	100 478	2 377	2 351	1 798
2020	59 908	3	3	3

Percentage of patents still in force at the end of the patent year

Filing year	Validated patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001	21 179	98%	91%	77%	61%	49%	40%	32%	25%	21%	17%	14%	12%	10%	8%	6%	5%	4%	3%
2002	20 931	98%	89%	76%	63%	52%	42%	35%	28%	24%	20%	17%	14%	12%	10%	9%	8%	7%	
2003	21 847	97%	86%	73%	62%	50%	42%	34%	28%	23%	19%	16%	13%	11%	10%	8%	7%		
2004	22 857	96%	85%	73%	60%	50%	42%	34%	28%	23%	20%	16%	13%	12%	9%	8%			
2005	23 771	97%	85%	72%	61%	50%	41%	33%	27%	23%	18%	15%	13%	10%	8%				
2006	25 608	96%	84%	72%	60%	49%	40%	33%	27%	21%	17%	15%	11%	9%					
2007	26 465	95%	84%	71%	58%	48%	39%	32%	25%	20%	17%	11%	9%						
2008	29 257	99%	88%	73%	59%	49%	40%	31%	24%	21%	13%	10%							
2009	31 651	96%	83%	68%	56%	46%	36%	28%	23%	15%	10%								
2010	33 741	95%	82%	68%	56%	43%	34%	29%	18%	11%									
2011	34 792	94%	83%	69%	54%	43%	36%	22%	13%										
2012	35 624	94%	81%	64%	52%	44%	26%	14%											
2013	35 931	95%	82%	68%	57%	34%	18%												
2014	35 946	94%	86%	73%	44%	22%													
2015	35 451	96%	84%	54%	26%														
2016	31 899	94%	68%	33%															
2017	23 082	83%	46%																
2018	9 656	55%																	
2019	2 351																		
2020	3																		

ee) Romania

Filing year	Applications filed	Granted patents	Validated patents	Patents still in force
2001				
2002				
2003	75 679	34 340	2 489	798
2004	97 400	43 755	2 984	1 132
2005	106 432	46 427	2 884	1 258
2006	113 494	50 174	3 165	1 630
2007	119 700	54 456	2 941	1 601
2008	130 381	63 233	3 153	1 968
2009	134 664	69 790	3 073	2 076
2010	143 443	75 465	3 402	2 523
2011	148 589	78 933	3 797	3 085
2012	152 130	82 287	4 083	3 565
2013	156 305	82 254	4 677	4 282
2014	160 701	80 942	5 394	5 136
2015	159 214	71 259	6 578	6 451
2016	161 051	57 214	7 478	7 439
2017	164 054	36 035	7 412	7 407
2018	161 085	13 586	3 840	3 840
2019	100 478	2 377	1 410	1 410
2020	59 909	3	3	3

Percentage of patents still in force at the end of the patent year

Filing year	Validated patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001																			
2002																			
2003	2 489	100%	100%	99%	96%	90%	84%	77%	72%	66%	60%	54%	49%	44%	40%	35%	32%		
2004	2 984	100%	100%	98%	93%	88%	84%	77%	71%	65%	60%	55%	51%	46%	41%	38%			
2005	2 884	100%	100%	97%	93%	89%	83%	77%	71%	66%	62%	57%	52%	48%	44%				
2006	3 165	100%	100%	98%	95%	90%	86%	81%	75%	70%	64%	60%	55%	52%					
2007	2 941	100%	100%	98%	96%	92%	87%	81%	76%	70%	64%	59%	54%						
2008	3 153	100%	100%	99%	96%	92%	87%	82%	76%	70%	66%	62%							
2009	3 073	100%	100%	99%	96%	93%	88%	83%	77%	72%	68%								
2010	3 402	100%	100%	99%	96%	93%	89%	84%	79%	74%									
2011	3 797	100%	100%	99%	97%	94%	90%	85%	81%										
2012	4 083	100%	100%	99%	98%	95%	91%	87%											
2013	4 677	100%	100%	99%	97%	95%	92%												
2014	5 394	100%	100%	99%	97%	95%													
2015	6 578	100%	100%	99%	98%														
2016	7 478	100%	100%	99%															
2017	7 412	100%	100%																
2018	3 840	100%																	
2019	1 410																		
2020	3																		

ff) Serbia

Filing year	Applications filed	Granted patents	Validated patents	Patents still in force
2001				
2002				
2003				
2004				
2005				
2006				
2007				
2008				
2009				
2010	39 295	20 708	330	243
2011	148 583	78 929	1 309	873
2012	152 129	82 287	1 218	879
2013	156 303	82 253	1 153	906
2014	160 702	80 942	1 103	951
2015	159 213	71 258	973	885
2016	161 051	57 214	657	634
2017	164 051	36 032	376	373
2018	161 084	13 586	113	113
2019	100 478	2 377	11	11
2020	59 909	3	1	1

Percentage of patents still in force at the end of the patent year

Filing year	Validated patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001																			
2002																			
2003																			
2004																			
2005																			
2006																			
2007																			
2008																			
2009																			
2010	330	100%	100%	100%	99%	96%	91%	86%	74%	74%									
2011	1 309	100%	93%	93%	91%	88%	83%	74%	67%										
2012	1 218	96%	96%	95%	93%	89%	80%	72%											
2013	1 153	99%	99%	98%	96%	88%	79%												
2014	1 103	100%	100%	98%	93%	86%													
2015	973	100%	100%	97%	91%														
2016	657	100%	100%	96%															
2017	376	100%	99%																
2018	113	100%																	
2019	11																		
2020	1																		

gg) Sweden

Filing year	Applications filed	Granted patents	Validated patents	Patents still in force
2001	83 767	39 475	22 954	2 651
2002	86 008	39 942	20 675	3 021
2003	92 624	42 542	19 472	3 342
2004	100 053	45 557	17 964	3 918
2005	108 856	48 062	15 987	4 549
2006	115 608	51 605	13 526	5 175
2007	121 129	55 450	10 786	5 506
2008	131 056	63 756	10 642	6 461
2009	134 830	69 920	10 484	7 049
2010	143 465	75 487	10 280	7 415
2011	148 606	78 950	10 491	8 103
2012	152 133	82 290	10 298	8 449
2013	156 315	82 265	10 208	8 831
2014	160 708	80 948	9 902	8 951
2015	159 222	71 266	8 625	8 134
2016	161 060	57 223	6 562	6 382
2017	164 056	36 036	4 171	4 127
2018	161 089	13 588	1 462	1 458
2019	100 478	2 377	235	235
2020	59 909	3	1	1

Percentage of patents still in force at the end of the patent year

Filing year	Validated patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001	22 954	98%	90%	79%	66%	56%	48%	40%	37%	34%	31%	28%	25%	22%	20%	17%	15%	13%	12%
2002	20 675	97%	89%	75%	64%	54%	45%	41%	38%	35%	32%	28%	26%	23%	20%	18%	16%	15%	
2003	19 472	96%	83%	71%	59%	49%	46%	43%	40%	36%	33%	30%	27%	24%	22%	19%	17%		
2004	17 964	93%	80%	66%	55%	52%	49%	46%	42%	39%	36%	32%	29%	27%	24%	22%			
2005	15 987	93%	77%	65%	63%	60%	57%	53%	49%	45%	41%	38%	34%	31%	28%				
2006	13 526	90%	77%	76%	74%	71%	67%	63%	58%	54%	49%	45%	42%	38%					
2007	10 786	94%	93%	92%	90%	86%	81%	76%	71%	65%	60%	55%	51%						
2008	10 642	100%	100%	98%	95%	91%	87%	82%	76%	71%	65%	61%							
2009	10 484	100%	100%	98%	96%	92%	88%	83%	78%	72%	67%								
2010	10 280	100%	100%	98%	96%	93%	88%	83%	77%	72%									
2011	10 491	100%	100%	99%	96%	92%	88%	82%	77%										
2012	10 298	100%	100%	99%	96%	92%	87%	82%											
2013	10 208	100%	100%	99%	96%	91%	87%												
2014	9 902	100%	100%	98%	95%	90%													
2015	8 625	100%	100%	97%	94%														
2016	6 562	100%	99%	97%															
2017	4 171	100%	99%																
2018	1 462	100%																	
2019	235																		
2020	1																		

## hh) Slovenia

Filing year	Applications filed	Granted patents	Validated patents	Patents still in force
2001				
2002	7 606	3 460	226	58
2003	89 411	40 464	2 652	850
2004	97 389	43 750	2 599	1 027
2005	106 436	46 431	2 418	1 098
2006	113 500	50 174	2 654	1 416
2007	119 687	54 442	2 574	1 503
2008	130 362	63 210	2 819	1 874
2009	134 664	69 789	3 007	2 232
2010	143 445	75 467	3 620	2 941
2011	148 588	78 932	4 379	3 895
2012	152 129	82 286	5 118	4 745
2013	156 304	82 253	6 925	6 629
2014	160 703	80 943	8 874	8 641
2015	159 213	71 258	12 043	11 427
2016	161 045	57 213	15 762	15 451
2017	164 051	36 032	16 547	16 542
2018	161 084	13 586	8 275	8 275
2019	100 478	2 377	2 349	2 349
2020	59 909	3	3	3

Percentage of patents still in force at the end of the patent year

Filing year	Validated patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001																			
2002	226	100%	100%	99%	95%	89%	79%	75%	69%	63%	56%	49%	44%	38%	34%	29%	26%	26%	
2003	2 652	100%	100%	98%	95%	88%	82%	76%	70%	64%	59%	53%	48%	43%	39%	34%	32%		
2004	2 599	100%	100%	98%	92%	88%	83%	77%	71%	64%	59%	54%	50%	46%	41%	40%			
2005	2 418	100%	99%	97%	93%	89%	83%	78%	72%	65%	61%	56%	52%	48%	45%				
2006	2 654	100%	99%	98%	95%	90%	86%	80%	75%	70%	64%	60%	55%	53%					
2007	2 574	100%	99%	98%	95%	91%	85%	81%	76%	70%	65%	60%	58%						
2008	2 819	100%	100%	98%	96%	92%	88%	83%	78%	72%	68%	66%							
2009	3 007	100%	100%	99%	96%	94%	90%	85%	81%	76%	74%								
2010	3 620	100%	100%	99%	97%	94%	91%	87%	83%	81%									
2011	4 379	100%	100%	99%	98%	96%	93%	90%	89%										
2012	5 118	100%	100%	99%	98%	96%	94%	93%											
2013	6 925	100%	100%	99%	98%	97%	96%												
2014	8 874	100%	100%	99%	98%	97%													
2015	12 043	100%	96%	95%	95%														
2016	15 762	98%	98%	98%															
2017	16 547	100%	100%																
2018	8 275	100%																	
2019	2 349																		
2020	3																		



## ii) Slovakia

Filing year	Applications filed	Granted patents	Validated patents	Patents still in force
2001				
2002	42 079	19 234	1 557	457
2003	89 485	40 483	2 951	915
2004	97 442	43 778	2 974	1 107
2005	106 457	46 447	2 773	1 179
2006	113 515	50 189	2 934	1 373
2007	119 717	54 464	2 645	1 364
2008	130 363	63 216	2 886	1 717
2009	134 666	69 791	2 859	1 888
2010	143 446	75 468	3 084	2 234
2011	148 589	78 933	3 449	2 796
2012	152 130	82 287	3 751	3 206
2013	156 305	82 254	4 372	3 946
2014	160 703	80 943	5 107	4 831
2015	159 213	71 259	6 131	6 007
2016	161 052	57 214	6 980	6 922
2017	164 051	36 032	7 216	7 208
2018	161 085	13 586	3 788	3 787
2019	100 478	2 377	1 400	1 400
2020	59 909	3	3	3

Percentage of patents still in force at the end of the patent year

Filing year	Validated patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001																			
2002	1 557	100%	100%	99%	96%	91%	83%	78%	71%	64%	58%	53%	48%	44%	40%	36%	30%	29%	
2003	2 951	100%	100%	98%	95%	88%	82%	76%	70%	64%	58%	53%	47%	43%	38%	34%	31%		
2004	2 974	100%	100%	97%	92%	87%	82%	75%	70%	64%	58%	54%	49%	44%	40%	37%			
2005	2 773	100%	100%	97%	92%	89%	83%	78%	72%	66%	61%	56%	51%	46%	43%				
2006	2 934	100%	99%	97%	94%	89%	84%	78%	71%	66%	60%	56%	50%	47%					
2007	2 645	100%	99%	98%	95%	91%	85%	80%	74%	68%	62%	56%	52%						
2008	2 886	100%	100%	98%	95%	91%	87%	81%	74%	68%	63%	59%							
2009	2 859	100%	100%	98%	96%	92%	88%	82%	76%	71%	66%								
2010	3 084	100%	100%	98%	95%	92%	87%	82%	76%	72%									
2011	3 449	100%	100%	99%	98%	94%	90%	85%	81%										
2012	3 751	100%	100%	99%	97%	94%	89%	85%											
2013	4 372	100%	100%	99%	97%	94%	90%												
2014	5 107	100%	100%	99%	97%	95%													
2015	6 131	100%	100%	99%	98%														
2016	6 980	100%	100%	99%															
2017	7 216	100%	100%																
2018	3 788	100%																	
2019	1 400																		
2020	3																		

jj) San Marino

Filing year	Applications filed	Granted patents	Validated patents	Patents still in force
2001				
2002				
2003				
2004				
2005				
2006				
2007				
2008				
2009	70 153	36 666	372	267
2010	143 436	75 460	696	511
2011	148 588	78 932	681	540
2012	152 128	82 285	652	542
2013	156 304	82 253	658	591
2014	160 702	80 942	678	625
2015	159 213	71 258	730	709
2016	161 051	57 214	689	681
2017	164 051	36 032	652	651
2018	161 085	13 586	357	357
2019	100 478	2 377	135	135
2020	59 909	3	1	1

Percentage of patents still in force at the end of the patent year

Filing year	Validated patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001																			
2002																			
2003																			
2004																			
2005																			
2006																			
2007																			
2008																			
2009	372	100%	100%	99%	98%	98%	97%	90%	83%	76%	72%								
2010	696	100%	100%	98%	97%	94%	91%	86%	78%	73%									
2011	681	100%	100%	99%	98%	96%	91%	85%	79%										
2012	652	100%	100%	100%	99%	95%	91%	83%											
2013	658	100%	100%	99%	98%	94%	90%												
2014	678	100%	100%	99%	97%	92%													
2015	730	100%	100%	99%	97%														
2016	689	100%	100%	99%															
2017	652	100%	100%																
2018	357	100%																	
2019	135																		
2020	1																		

**kk) Turkey**

Filing year	Applications filed	Granted patents	Validated patents	Patents still in force
2001	79 696	36 773	5 485	2 885
2002	82 875	37 821	5 824	3 299
2003	89 775	40 652	6 194	3 952
2004	97 808	44 030	6 754	4 679
2005	106 734	46 651	7 171	5 440
2006	113 787	50 402	8 005	6 553
2007	119 958	54 659	8 490	7 382
2008	130 545	63 377	10 064	9 204
2009	134 726	69 844	11 150	10 666
2010	143 460	75 482	13 220	13 007
2011	148 599	78 943	16 043	15 984
2012	152 135	82 292	18 049	18 039
2013	156 310	82 261	22 270	22 270
2014	160 707	80 946	27 506	27 506
2015	159 215	71 260	32 525	32 525
2016	161 055	57 218	35 728	35 728
2017	164 053	36 034	28 659	28 659
2018	161 085	13 586	13 005	13 005
2019	100 478	2 377	2 377	2 377
2020	59 909	3	3	3

Percentage of patents still in force at the end of the patent year

Filing year	Validated patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2001	5 485	100%	100%	100%	100%	99%	94%	85%	79%	72%	67%	61%	57%	53%	53%	53%	53%	53%	53%
2002	5 824	100%	100%	100%	100%	96%	88%	83%	77%	71%	66%	61%	57%	57%	57%	57%	57%	57%	57%
2003	6 194	100%	100%	100%	98%	92%	87%	83%	78%	74%	69%	64%	64%	64%	64%	64%	64%		
2004	6 754	100%	100%	98%	95%	91%	87%	83%	78%	74%	69%	69%	69%	69%	69%	69%			
2005	7 171	100%	100%	98%	96%	93%	89%	85%	81%	76%	76%	76%	76%	76%	76%				
2006	8 005	100%	100%	99%	97%	93%	90%	86%	82%	82%	82%	82%	82%	82%					
2007	8 490	100%	100%	99%	97%	94%	91%	87%	87%	87%	87%	87%	87%						
2008	10 064	100%	100%	99%	98%	95%	91%	91%	91%	91%	91%	91%							
2009	11 150	100%	100%	99%	98%	96%	96%	96%	96%	96%	96%								
2010	13 220	100%	100%	99%	98%	98%	98%	98%	98%	98%									
2011	16 043	100%	100%	100%	100%	100%	100%	100%	100%										
2012	18 049	100%	100%	100%	100%	100%	100%	100%											
2013	22 270	100%	100%	100%	100%	100%	100%												
2014	27 506	100%	100%	100%	100%	100%													
2015	32 525	100%	100%	100%	100%														
2016	35 728	100%	100%	100%															
2017	28 659	100%	100%																
2018	13 005	100%																	
2019	2 377																		
2020	3																		

## ANNEX 2 NATIONAL STATISTICS

### A. NATIONAL PATENT APPLICATIONS

#### a) Filing route and growth over 2019

Country		National		PCT national phase		Total		Resident		Non Resident	
Albania	AL	12	140%	1	-	13	160.0%	7	40%	6	
Austria	AT	2 259	-1.3%	478	9.6%	2 737	0.5%	2 419	1.2%	318	-4.8%
Belgium <sup>(1)</sup>	BE	1 150	1.5%			1 150	1.5%	862	-1.6%	288	12.1%
Bulgaria	BG	244	29.1%	6	50.0%	250	34.4%	243	30.6%	7	0.0%
Switzerland/Liechtenstein	CH/LI	1 582	-3.8%	92	35.3%	1 674	-2.2%	1 374	0.4%	300	-12.5%
Cyprus <sup>(1)</sup>	CY	3	-57.1%			3	-57.1%	2	-66.7%	1	0.0%
Czech Republic	CZ	704	-11.4%	29	45.0%	733	-10.1%	673	-12.0%	60	20.0%
Germany	DE	54 584	-8.9%	7 525	0.2%	62 109	-7.9%	42 262	-9.4%	19 847	-4.6%
Denmark	DK	1 400	-6.2%	78	-9.3%	1 478	-6.4%	1 261	-6.7%	217	-4.8%
Estonia	EE	23	-28.1%	0	-	23	-28.1%	21	-32.3%	2	100.0%
Spain	ES	1 483	9.2%	72	-19.1%	1 555	7.5%	1 431	11.1%	124	-22.0%
Finland	FI	1 644	19.7%	41	86.4%	1 685	20.7%	1 588	20.2%	97	29.3%
France <sup>(1)</sup>	FR	14 309	-9.5%			14 309	-9.5%	12 828	-9.2%	1 481	-12.3%
United Kingdom	GB	18 321	8.0%	2 329	1.8%	20 650	7.3%	11 991	-0.6%	8 659	20.5%
Greece <sup>(1)</sup>	GR	762	28.3%			762	28.3%	399	12.1%	363	52.5%
Croatia	HR	128	-37.9%	1	-80.0%	129	-38.9%	117	-40.0%	12	-25.0%
Hungary	HU	451	3.2%	4	-69%	455	1.1%	428	-0.2%	27	28.6%
Ireland	IE	292	34.6%			292	34.6%	195	16.8%	97	94.0%
Iceland	IS	45	-13.5%	2	-75.0%	47	-21.7%	44	-6.4%	3	-76.9%
Italy	IT	11 008	8.7%	0	-	11 008	8.7%	10 061	9.0%	947	5.5%
Lithuania <sup>(1)</sup>	LT	113	-8.1%			113	-8.1%	95	5.6%	18	-45.5%
Luxembourg	LU		-		-	839	70.9%	129	8.4%	710	90.9%
Latvia <sup>(1)</sup>	LV	94	8.0%			94	8.0%	93	13.4%	1	-80.0%
Monaco <sup>(1)</sup>	MC	13	-13.3%			13	-13.3%	6	-40.0%	7	40.0%
North Macedonia	MK	1 026	-6.4%	12	300.0%	1 038	-5.6%	47	-4.1%	991	-5.6%
Malta <sup>(1)</sup>	MT	11	-8.3%			11	-8.3%	6	20.0%	5	-28.6%
Netherlands <sup>(1)</sup>	NL	3 022	12.9%			3 022	12.9%	2 203	-1.1%	819	82.4%
Norway	NO	933	-3.9%	511	-8.8%	1 444	-5.7%	878	-8.0%	566	-1.9%
Poland	PL	4 058	2.8%	40	-24.5%	4 098	2.5%	4 010	3.2%	88	-21.4%
Portugal	PT	1 106	17.0%	18	-10.0%	1 124	16.5%	751	-0.8%	373	79.3%
Romania	RO	853	-7.3%	11	-42.1%	864	-	817	-7.3%	47	-19.0%
Serbia	RS	144	-15.3%	2	-71.4%	146	-17.5%	138	-17.9%	8	-11.1%
Sweden	SE	2 131	0.5%	101	44.3%	2 232	1.9%	1 764	-1.7%	468	18.2%
Slovenia <sup>(1)</sup>	SI	244	-7.6%			244	-7.6%	230	-9.8%	14	55.6%
Slovakia	SK	216	-5.7%	5	0.0%	221	-5.6%	206	0.0%	15	-46.4%
San Marino <sup>(1)</sup>	SM	34	30.8%			34	25.9%	6	-45.5%	28	75.0%
Turkey	TR	7 876	0.8%	264	-3.6%	8 140	0.7%	7 904	0.4%	236	9.3%
EPC States		132 278	-2.8%	11 622	0.6%	144 739	-2.3%	107 489	-4.2%	37 250	3.7%

(1) PCT national route closed

Due to missing data, figures do not necessarily add up.



c) **First filings**

First filings as % of national domestic applications

Albania	AL	-
Austria	AT	76.9%
Belgium	BE	93.6%
Bulgaria	BG	98.7%
Switzerland/Liechtenstein	CH/LI	90.3%
Cyprus	CY	100.0%
Czech Republic	CZ	99.0%
Germany	DE	92.1%
Denmark	DK	97.4%
Estonia	EE	90.5%
Spain	ES	98.5%
Finland	FI	97.1%
France	FR	98.2%
United Kingdom	GB	89.1%
Greece	GR	99.7%
Croatia	HR	99.1%
Hungary	HU	92.1%
Ireland	IE	86.2%
Iceland	IS	97.7%
Italy	IT	96.8%
Lithuania	LT	100.0%
Luxembourg*	LU	
Latvia	LV	97.8%
Monaco	MC	83.3%
North Macedonia	MK	100.0%
Malta	MT	100.0%
Netherlands	NL	92.1%
Norway	NO	91.5%
Poland	PL	99.4%
Portugal	PT	97.6%
Romania	RO	99.3%
Serbia	RS	100.0%
Sweden	SE	97.7%
Slovenia	SI	94.8%
Slovakia	SK	100.0%
San Marino	SM	100.0%
Turkey	TR	98.0%
<b>EPC states</b>		<b>93.9%</b>

\* Data not available

In addition 69% of the national applications filed by residents from other EPC states were first filings.

## B. GRANT PROCEDURE

Country		Granted patents			Applications			Total
		Residents	Non residents	Total	Withdrawn	Deemed withdrawn	Refused	
Albania	AL	0	0	2	0	0	0	2
Austria	AT	933	125	1 058	115	0	698	1 871
Belgium	BE	779	215	994	52	0	66	1 112
Bulgaria	BG	204	12	216	8	31	98	353
Switzerland / Liechtenstein	CH/LI	547	198	745	117	-	1 370	2 232
Cyprus	CY	0	0	0	0	1	0	1
Czech Republic	CZ	467	32	499	101	175	169	944
Germany	DE	11 084	6 221	17 305	4 617	32 017	8 679	62 618
Denmark	DK	219	134	353	162	1 288	12	1 815
Estonia	EE	10	2	12	1	23	3	39
Spain	ES	576	65	641	157	87	21	906
Finland	FI	553	49	602	55	750	4	1 411
France	FR	13 522	1 756	15 278	527	-	1 877	17 682
United Kingdom	GB	4 470	5 302	9 772	2 458	n.a.	8 405	20 635
Greece	GR	210	10	220	30	0	3	253
Croatia	HR	4	6	10	0	80	22	112
Hungary	HU	80	14	94	45	169	27	335
Ireland	IE	57	58	115	78	56	270	519
Iceland	IS	4	5	9	4	0	0	13
Italy	IT	8 188	970	9 158	569	0	2 079	11 806
Lithuania	LT	76	30	106	5	0	12	123
Luxembourg	LU	119	319	438	78	0	0	516
Latvia	LV	46	14	60	1	7	12	80
Monaco	MC	7	8	15	1	0	1	17
North Macedonia	MK	23	1 054	1 077	3	13	1	1 094
Malta	MT	5	5	10	0	0	0	10
Netherlands	NL	1 542	369	1 911	325	339	9	2 584
Norway	NO	430	477	907	115	1 018	8	2 048
Poland	PL	2 260	48	2 308	n/d		993	3 301
Portugal	PT	124	79	203	27	n.a.	422	652
Romania	RO	359	9	368	47	199	293	907
Serbia	RS	52	4	56	14	65	66	201
Sweden	SE	1 250	284	1 534	124	1 195	23	2 876
Slovenia	SI	189	9	198	14	73	0	285
Slovakia	SK	79	10	89	12	61	51	213
San Marino	SM	12	14	26	2	0	0	28
Turkey	TR	1 929	134	2 063	86	772	554	3 475
<b>Total</b>		<b>50 409</b>	<b>18 041</b>	<b>68 452</b>	<b>9 950</b>	<b>38 419</b>	<b>26 248</b>	<b>143 069</b>

### C. WORKING AGREEMENTS EPO-NPO ON SEARCH

As per CA/37/08 rev. 1, the table below shows the latest figures on the numbers and proportions of national applications for which the EPO has conducted search on behalf of the 13 Contracting States (FR, NL, BE, LU, CY, GR, IT, LT, LV, MC, MT, SM, UK), which were subsequently filed as European applications or PCT international applications.

Applications are counted in the year of the subsequent applications. Counts for 2020 are still provisional.

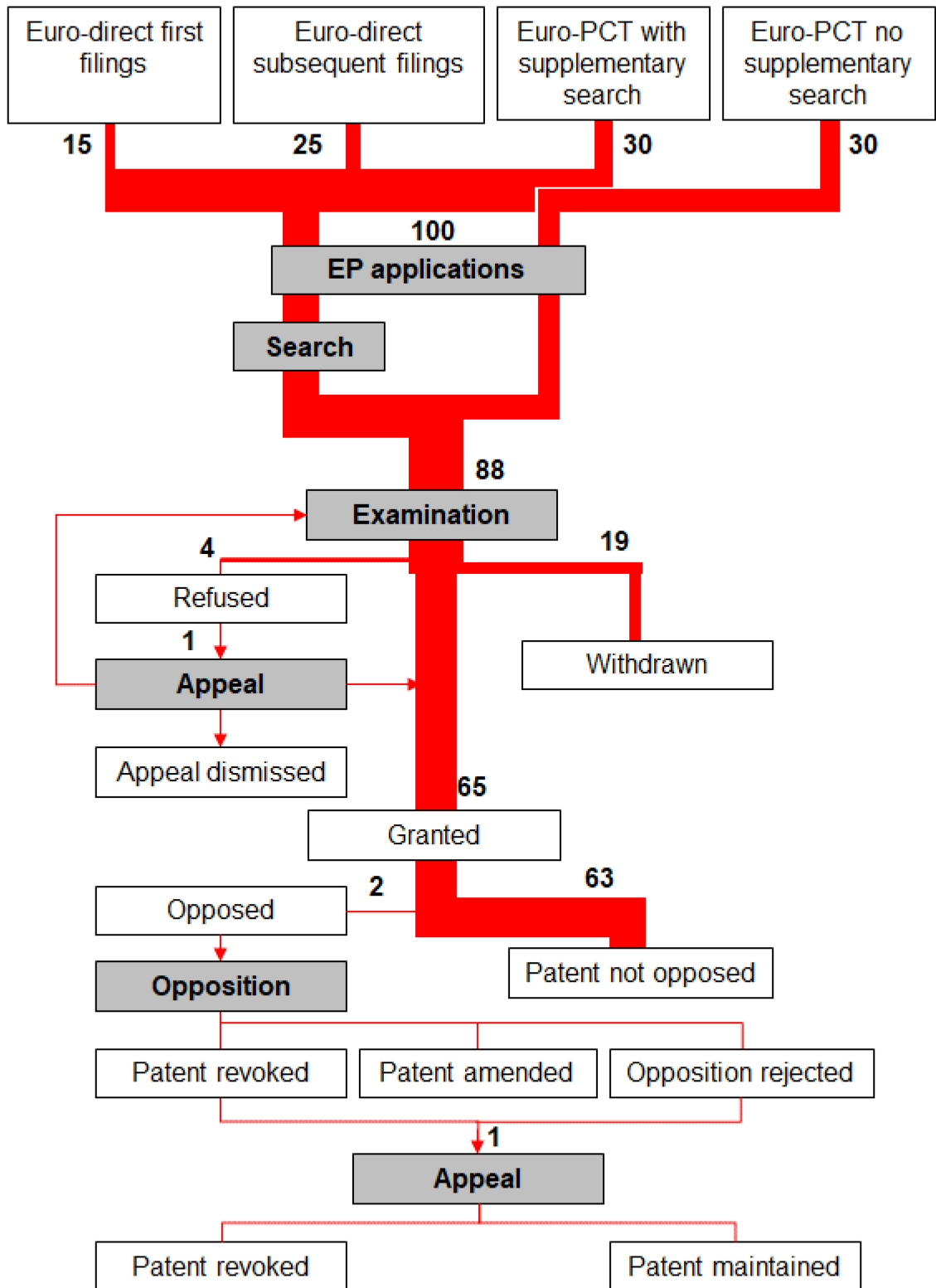
Year	Searched by the EPO	Not extended / Remained national		Extended as			
				EP		PCT	
2019	25 728	11 462	45%	4 204	16%	10 062	39%
2020	26 325	11 565	44%	4 323	16%	10 437	40%



**ANNEX 3 THE EUROPEAN PATENT PROCEDURE IN 2020**

The figures illustrate the 2020 values of the different parameters.

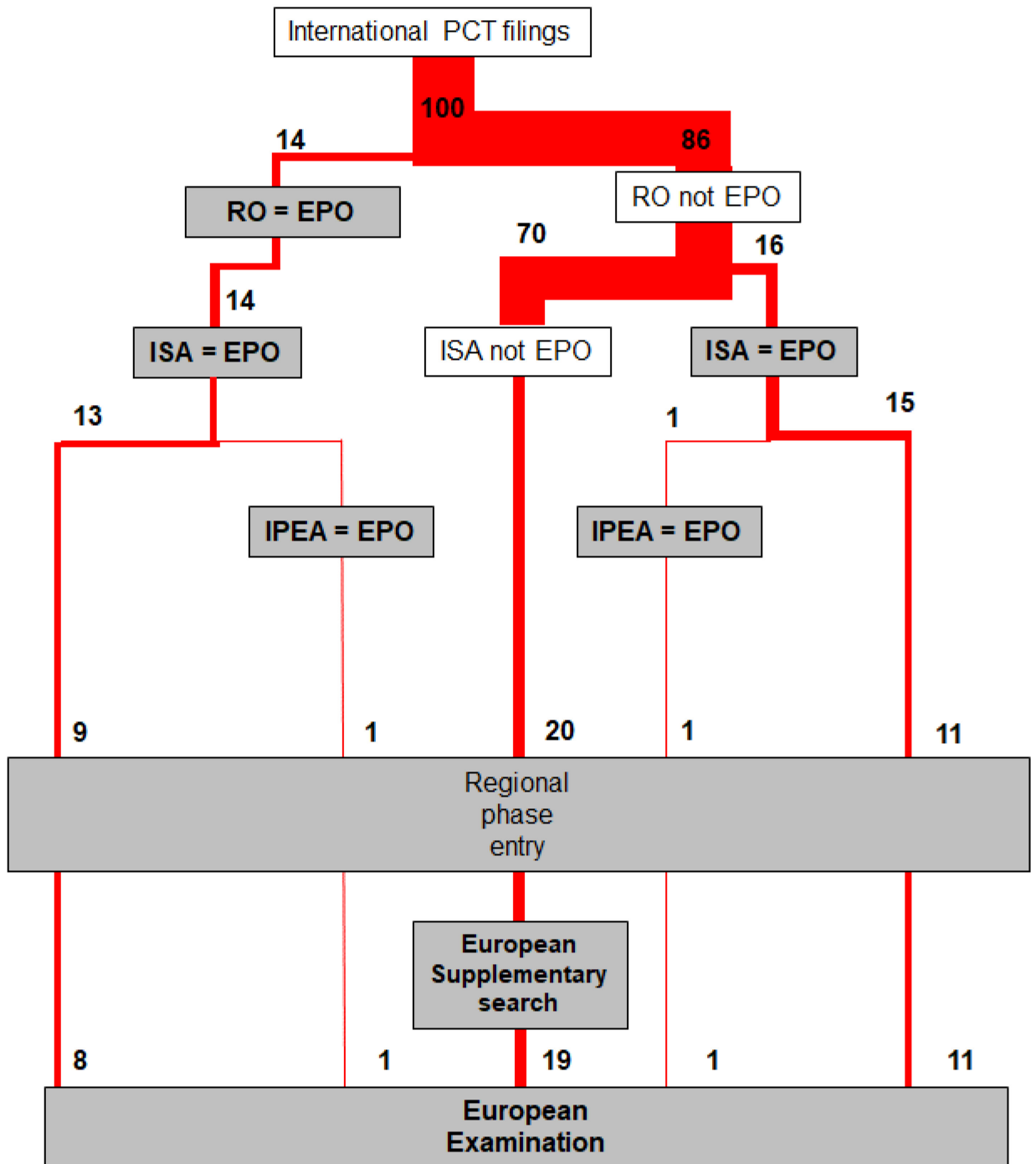
**European grant procedure in 2020**



**ANNEX 4 THE PCT INTERNATIONAL PHASE AND THE EPO IN 2020**

The figures illustrate the 2020 values of the different parameters.

**PCT International phase and the EPO activities in 2020**



RO: Receiving Office  
 ISA: International Search Authority  
 IPEA: International Preliminary Examining Authority

## ANNEX 5 GLOSSARY

**Amended form:** patent application (description, claims or drawings) has been amended before grant (Article 123 EPC) or during the opposition proceedings (Article 101 EPC) .

**Appeal:** *ex parte* appeal, *inter partes* appeal or a PCT protest as well as a legal appeal, a disciplinary appeal (Article 106 EPC).

**Country of origin:** country of residence of the first named applicant.

**Direct European route (application):** patent application filed under Article 75 EPC (also Euro-direct application).

**Designation:** indication of the contracting state(s) in which the protection for the invention is desired (Article 79 EPC).

**EPC:** European Patent Convention (38 contracting states as at 31 December 2020) enables the patent applicant, by means of a single procedure, to obtain a patent in some or all of the contracting states.

**Euro-PCT route:** a way to obtain a European patent by designating the EPO in a PCT application (Article 11 PCT).

**Euro-PCT application – international phase (or Euro-PCT application or PCT international):** a PCT application designating the EPO (Article 153(2) EPC).

**Euro-PCT application – regional phase (or PCT regional):** PCT application entering the European (or regional) phase once the applicant has fulfilled the conditions under Article 22 or 39 PCT, Article 153(3) and (4) and Rule 159 EPC.

**Euro-PCT search (or PCT Chapter I):** search carried out by the EPO acting as International Searching Authority for a Euro-PCT application in the international phase (Article 16 PCT).

**European patent application:** either a direct European application or a PCT international application entering the regional phase during the reporting period.

**European examination:** on written request the EPO shall examine a European patent application (Article 94 EPC).

**European first filings:** a European application filed without claiming the priority of a previous application.

**European search:** search carried out by the EPO on a direct European application or a Euro-PCT application having entered the European phase (Article 92 EPC).

**Ex parte case:** appeal filed against a decision taken by an examining division where only one party is involved.

**Final action:** the last decision taken by the examining division in the examination procedure, either refusing the patent application or indicating the intention to grant a patent (Article 97 EPC).

**First action:** the first communication sent to the applicant in the examination procedure (Article 94(3), Rule 71(3) EPC).

**Inter partes case:** appeal filed against a decision taken by an opposition division where two or more parties are involved.

**International PCT filings:** (see PCT applications)

**International preliminary examination (or PCT Chapter II):** non-binding examination which can be requested for a PCT application (Article 31 PCT).

**International Preliminary Examining Authority (IPEA):** (23 authorities as of 1 July 2020) office with competence to carry out the international preliminary examination for a PCT application. It may be either a national office (AT, AU, BR, CA, CL, CN, EG, ES, FI, IL, IN, JP, KR, PH, RU, SE, SG, TR, UA, US) or an intergovernmental organisation (EPO, Nordic PI, Visegrad PI) (Article 32 PCT, Article 152 EPC).

**International search report with written opinion:** search report drawn up by a PCT International Searching Authority (Article 18 PCT and Article 153(6) EPC).

**International Searching Authority (ISA):** (23 authorities as of 1 July 2020) office with competence to carry out the international search for a PCT application. It may be either a national office (AT, AU, BR, CA, CL, CN, EG, ES, FI, IL, IN, JP, KR, PH, RU, SE, SG, TR, UA, US) or an intergovernmental organisation (EPO, Nordic PI, Visegrad PI), (Article 16 PCT, Article 152 EPC).

**IPC (classification):** all patent applications are classified in this internationally recognised classification system, which facilitates searches to be carried out on all existing patent documents by technical fields.

**National application:** filed at a national patent office according to a national procedure or a PCT international application entering the national phase during the reporting period.

**Opposition:** under Articles 99 and 100 EPC, within nine months from the publication of the mention of the grant of a European patent in the European Patent Bulletin, any person may give notice to the EPO of opposition to the European patent granted, invoking lack of patentability, e.g. lack of novelty or inventive step (Articles 52-57 EPC); or lack of sufficiently clear and complete disclosure of invention (Article 83 EPC); or that the granted patent extends beyond the application as filed (Article 123(2) EPC).

**Patent granted:** when the examining division is of the opinion that the application and the invention to which it relates meet the requirements of the EPC, it shall decide to grant the European patent, Article 97(1) EPC. The grant will be effective from the date on which the European Patent Bulletin mentions the grant (Article 97(3) EPC).

**PCT:** Patent Cooperation Treaty, which encompassed 153 contracting states on 1 June 2021, enabling a patent applicant, by means of a single procedure, to file a patent application in some or all of the contracting states.

**PCT application or filing:** international application filed under the PCT (Article 3 PCT).

**PCT international phase:** part of the PCT procedure from filing until the end of the delay to enter national or regional phase (see PCT national phase and Euro-PCT application).

**PCT international search:** search carried out by an International Searching Authority.

**PCT national phase:** PCT application entering the national phase once the applicant has fulfilled the conditions under Article 22 or 39 PCT.

**PCT regional phase:** PCT application entering the European phase at the EPO once the applicant has fulfilled the conditions under Article 22 or 39 PCT.

**PCT route:** one possible way of filing a patent application within any of the PCT contracting states.

**Processing time:** time elapsing between the moments the examiner starts and completes a given phase of the procedure.

**Protest:** appeal filed by an applicant in the PCT procedure if he does not agree with the request to pay an additional fee following a decision on lack of unity of invention taken during either the international search or the international preliminary examination (international phase of the PCT) (Articles 17(3)(a) and 34(3)(a), Rules 40.2 and 68.3 PCT, Rule 158 (3) EPC).

**Publication:** a patent application is published twice during the procedure:

- a European patent application is published as soon as possible after the expiry of a period of eighteen months from the date of filing or, if priority has been claimed, as from the date of priority (Article 93, Rules 67-69 EPC);
- at the same time as the Office publishes the mention of the grant of the European patent, the Office publishes a specification of the European patent containing the description, the claims and any drawings, Articles 98 and 103, Rule 73 EPC. An international patent application, where the Office is designated, is published under Article 21 PCT and is mentioned in the European Patent Bulletin (Article 153(3)-(6) EPC).

**Refusal/rejection:**

- the examination division will refuse a European patent application if it is of the opinion that such application or the invention to which it relates does not meet the requirements of the EPC, or if the applicant fails to observe a given time limit (Articles 97(2) EPC).
- the Office will reject an opposition or an appeal if it does not fulfil the necessary requirements (Articles 101 and 110 EPC).

**Revocation:** a patent is revoked after an opposition procedure if the subject-matter of the patent application is not patentable or if it does not disclose the invention in a manner sufficiently clear and complete for it to be carried out by a person skilled in the art or if the subject matter goes beyond the content of the application filed. The patent can also be revoked if the patent applicant fails to meet all formal requirements (Article 101(2) EPC).

**Search report:** a report of the results of the search drawn up by the search division if the patent application has been accorded a date of filing and is not deemed to be withdrawn (Article 92 EPC).

**Supplementary European search:** search carried out by the EPO on a Euro-PCT application entering the regional phase for which the ISA was not the EPO (Article 153(7) EPC).

**Technical appeal:** *ex parte* appeal, *inter partes* appeal or a PCT protest.

**Withdrawal:** this is the result of non-compliance to the EPC rules, at any stage of the procedure the applicant does:

- not pay fees in due time
- not file a request for examination within the given time period (Article 94(2) EPC)
- not reply in due time to any invitation within the examination procedure (Article 94(4) EPC).

A patent application can be withdrawn by the applicant at any stage except where a third party proves to the Office that he has initiated proceedings concerning entitlement and then until such time as the Office resumes the proceedings for grant (Rule 14 EPC).