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LEGAL BASIS: Not applicable

RECOMMENDATION: The Budget and Finance Committee is requested to note the Statistics 2023.

SUMMARY: Annual compendium of statistics on the activity at the EPO and at the member state offices in 2023.

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1. Recommendation for publication

1. 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.

2. Analysis

2. 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.
3. The Unitary Patent system launched on 1 June 2023. The uptake and impact are detailed under “Key results” and Section 2.6 “Validation and maintenance; Unitary Patents” below.

2.1 Key results

4. The key results for 2023 are:
 - The number of applications at the EPO increased by 3% to about 199 440.
 - About 104 610 European patents (+28%) were published. For 18 286 of these a unitary effect was registered.
 - National applications in the member states increased to ca 141 900 (+3.2%).
 - 58% of all applications filed in the EPC area (EPO and national offices) originated from the member states.
 - National patents granted in the member states decreased by 7.8% to 65 495.

2.2 European patent applications filed

5. See Annex 1.1
6. European patent applications are either direct European applications or PCT international applications entering the regional phase during the reporting period.
7. Based on the information available in July 2024, 199 439 applications were filed for European patents in 2023. This was 3% above the latest 2022 figure.
8. Less than half of the applications (43.1%, -1%pts) originated from the EPC contracting states. The combined share of the three leading Asian countries slightly increased to 27.5% (+1.1%pts). It is higher than the share of the U.S. (24.2%).

9. In 2023, EPC residents filed about 129 500 first filings in the EPC area (at EPO, Annex 1.1 and at national offices, Annex 2.1). Of these 72% were filed at the national office of the applicant's residence, 21% were filed at the EPO and 7% were filed at another EPC national office.
10. The first filings made by EPC residents at the EPO accounted for 31.2% of all the applications filed by EPC residents at the EPO.

2.3 Grant procedure

11. See Annex 1.2.1
12. The grant procedure has been completed for 99% of all applications for a European patent filed up until the end of 2018. For these applications the grant rate was 57%. Of those applications filed during the past five years (since the beginning of 2018) 35% of the procedures have been completed (-2%pts compared to 2022).
13. The number of published European patents increased by 28% to 104 609 in 2023 (see Annex 1.3). For 17.5% of these patents a unitary effect was registered covering 17 member states.
14. As per Annex 1.2.4, on average (mean average), a search performed by the EPO was completed in 5.0 months (4.9 in 2022). The examination was completed 24.9 months after the examination request was validly filed with the EPO (24.3 in 2022). The decision by the opposition divisions was notified 19.3 months after the end of the opposition period (19.6 in 2022).

2.4 Opposition procedure

15. See Annex 1.2.2
16. The number of patents for which the opposition period expired in 2023 decreased to 77 282 by 24% and 2.4% of these patents were eventually opposed (2.4% also in 2022). Considering that multiple parties can oppose the same patent, the average number of oppositions filed per opposed patent increased to 1.31 in 2023 (1.26 in 2022).
17. As shown in the annexed tables, the opposition rate varies among technologies and according to the country of residence of the patentees.
18. In 2023, 75% of the granted patents were maintained (29% opposition rejected or 46% patent maintained in amended form) and 25% were revoked by the opposition divisions (27% in 2022).

2.5 Appeal procedures

19. See Annex 1.2.3

20. The number of decisions to refuse a patent for which the appeal period expired in 2023 decreased further by 18% compared to 2022 to 4 025. Of these decisions to refuse a patent 394 (-30%) were appealed, leading to an ex parte appeal rate of 10% (12% in 2022).
21. The number of opposition decisions open for appeal decreased in 2023. The number of decisions appealed decreased slightly less and resulted in an inter partes appeal rate of 55% (51% in 2022).
22. Statistics on the outcome of the appeal procedures are available on the home page of the EPO Boards of Appeal (link.epo.org/web/case-law-appeals/annual-reports/en-Annual-report-of-the-BoA-2023.pdf).

2.6 Validation and maintenance; Unitary Patents

23. See Annex 1.4
24. 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 2023 with respect to the validation and the maintenance of European granted patents in the member states as available in July 2024. A patent is considered as maintained until its abandonment is legally recorded and transmitted to the EPO.
25. As a consequence of the increase in granted patents since 2015, in particular in 2023, the number of those which were validated kept increasing in 2023. They represent about 40% of the 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 11% in 2023. Approximately 6.35 million patent rights granted by the EPO were in force at the end of 2023.
26. There are substantial differences in validation and patent maintenance rate between the designated member states. For patents filed between 2004 and 2023, the validation rate ranges vary widely.
27. With the introduction of the Unitary Patent system on 1 June 2023 the patentee may now request the unitary effect for patents which designate the 17 participating States. For 18 286 of the 104 609 patents published in 2023, a unitary effect has been registered, leading to the validation of these patents simultaneously in these 17 member states.

2.7 National procedure

28. See Annex 2
29. 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.
30. Based on the data provided by the national offices by July 2024, 141 888 applications for a national patent were filed in the member states in 2023. This represented an increase compared to 2022 (+3.2%).

31. About 71% were filed by residents of the respective countries (72% in 2022) and 27% of the foreign applications were filed by residents of other EPC contracting states, accounting for 8% of all applications filed at the national offices. Together 79% of the national patent applications in the EPC states were filed by residents of the EPC states (79% in 2022).
32. In 2023, overall 94.5% of the national applications filed by residents of the EPC member states at their respective home office were first filings, as in previous years.
33. About 120 000 national grant procedures were completed in 2023 (-15%). Of these, ca 65 500 resulted in a granted patent. This is 7.8% lower than the number of patents granted by the national offices in 2022.

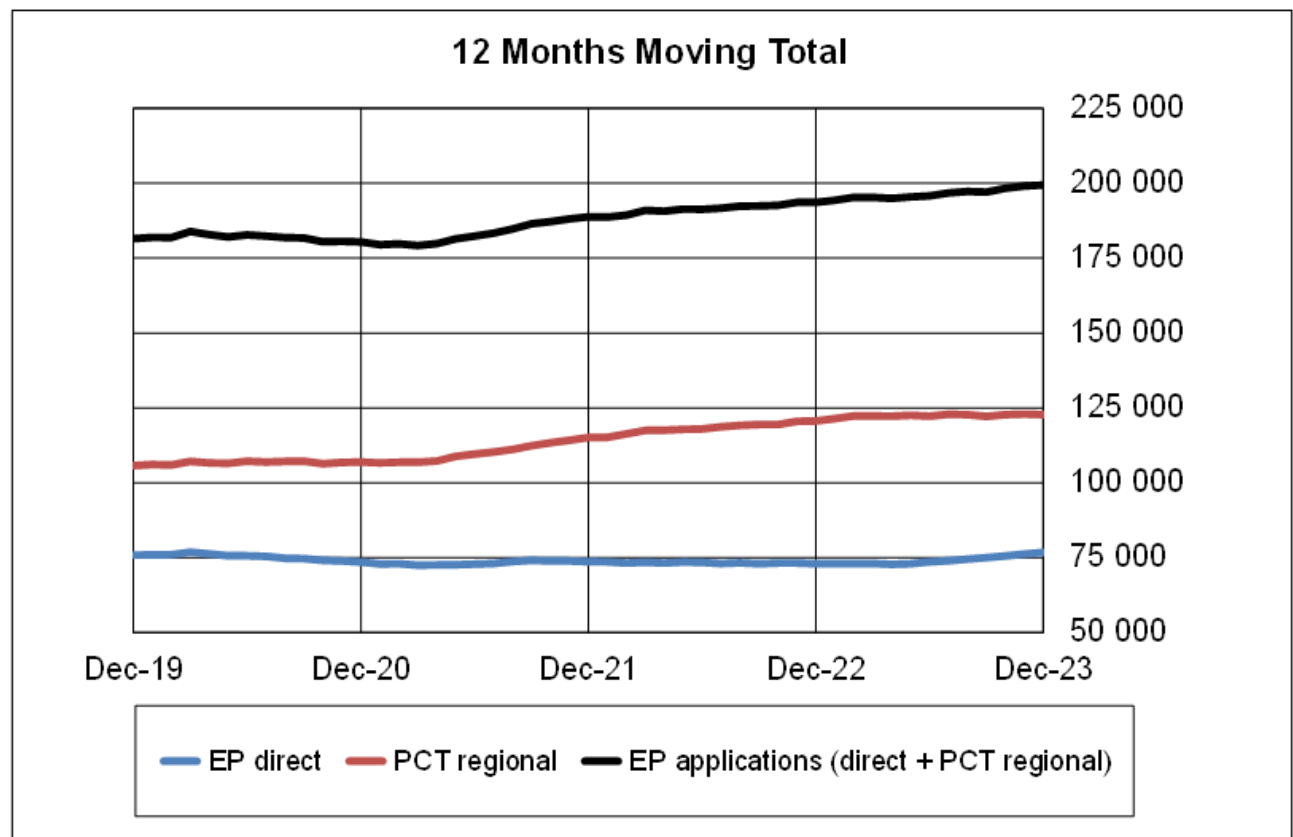
Annex 1 European patent procedures statistics

1. European patent applications filed

1.1 Filing route in 2023

Category	Budget 2023	Previous year 2022	Actual 2023 Status July 2024	Deviation to budget		Deviation to previous year	
				Number	%	Number	%
Euro-direct	75 600	72 982	76 736	1 136	1.5%	3 754	5.1%
PCT regional	120 724	120 644	122 703	1 979	1.6%	2 059	1.7%
Total applications	196 324	193 626	199 439	3 115	1.6%	5 813	3.0%

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1.2 Origin and growth over 2022 (%)

Country of origin		EP direct		PCT regional		EP applications	
Albania	AL	7	40.0%	1	-50.0%	8	14.3%
Austria	AT	1 352	-0.4%	1 004	-2.4%	2 356	-1.3%
Belgium	BE	1 526	-0.4%	1 058	-6.2%	2 584	-2.9%
Bulgaria	BG	26	100.0%	15	-54.5%	41	-10.9%
Switzerland	CH	5 477	4.3%	4 120	-0.7%	9 597	2.1%
Cyprus	CY	26	44.4%	26	4.0%	52	20.9%
Czech Republic	CZ	112	30.2%	129	-5.1%	241	8.6%
Germany	DE	14 172	3.1%	10 799	-0.6%	24 971	1.5%
Denmark	DK	1 456	0.6%	1 144	-7.8%	2 600	-3.3%
Estonia	EE	47	38.2%	24	-25.0%	71	7.6%
Spain	ES	1 361	8.5%	763	1.2%	2 124	5.8%
Finland	FI	978	11.9%	1 358	7.3%	2 336	9.2%
France	FR	5 259	4.0%	5 609	-4.3%	10 868	-0.5%
United Kingdom	GB	2 098	19.6%	3 804	-2.9%	5 902	4.1%
Greece	GR	110	-27.2%	51	30.8%	161	-15.3%
Croatia	HR	44	91.3%	7	-22.2%	51	59.4%
Hungary	HU	31	-18.4%	76	15.2%	107	2.9%
Ireland	IE	457	-15.2%	605	-6.5%	1 062	-10.5%
Iceland	IS	20	-4.8%	22	-18.5%	42	-12.5%
Italy	IT	2 331	-2.6%	2 731	10.3%	5 062	3.9%
Liechtenstein	LI	259	12.1%	187	-17.6%	446	-2.6%
Lithuania	LT	107	118.4%	21	-27.6%	128	64.1%
Luxembourg	LU	120	23.7%	221	9.4%	341	14.0%
Latvia	LV	9	50.0%	18	20.0%	27	28.6%
Monaco	MC	7	40.0%	16	-5.9%	23	4.5%
Montenegro	ME	0	-	0	-	0	-
North Macedonia	MK	0	-100.0%	4	100.0%	4	33.3%
Malta	MT	26	-3.7%	23	-34.3%	49	-21.0%
Netherlands	NL	4 117	4.3%	2 937	2.8%	7 054	3.7%
Norway	NO	210	14.1%	491	0.8%	701	4.5%
Poland	PL	470	8.3%	200	13.6%	670	9.8%
Portugal	PT	197	34.9%	135	-18.7%	332	6.4%
Romania	RO	36	0.0%	6	-40.0%	42	-8.7%
Serbia	RS	4	33.3%	10	11.1%	14	16.7%
Sweden	SE	1 920	1.9%	3 212	1.6%	5 132	1.7%
Slovenia	SI	91	37.9%	62	8.8%	153	24.4%
Slovakia	SK	32	52.4%	24	-11.1%	56	16.7%
San Marino	SM	3	0.0%	2	-33.3%	5	-16.7%
Türkiye	TR	168	25.4%	450	5.6%	618	10.4%
EPC contracting states		44 666	4.2%	41 365	-0.6%	86 031	1.8%
P.R. China	CN	3 375	1.9%	17 390	10.4%	20 765	8.9%
Japan	JP	6 005	3.4%	15 521	-1.7%	21 526	-0.3%
Republic of Korea	KR	4 071	12.3%	8 508	25.8%	12 579	21.1%
United States of America	US	14 546	6.9%	33 647	-2.1%	48 193	0.4%
Other countries		4 073	8.2%	6 272	-1.4%	10 345	2.2%
Non EPC		32 070	6.5%	81 338	2.9%	113 408	3.9%
TOTAL		76 736	5.1%	122 703	1.7%	199 439	3.0%

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1.3 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 2022 figures.

Country of origin		2023		2023 / 2022
Albania	AL	7	87.5%	40.0%
Austria	AT	818	34.7%	-6.4%
Belgium	BE	1 169	45.2%	4.0%
Bulgaria	BG	17	41.5%	70.0%
Switzerland	CH	3 996	41.6%	4.8%
Cyprus	CY	8	15.4%	33.3%
Czech Republic	CZ	42	17.4%	35.5%
Germany	DE	8 088	32.4%	5.5%
Denmark	DK	1 153	44.3%	-0.9%
Estonia	EE	33	46.5%	83.3%
Spain	ES	1 080	50.8%	9.5%
Finland	FI	337	14.4%	-23.2%
France	FR	2 965	27.3%	16.2%
United Kingdom	GB	748	12.7%	21.4%
Greece	GR	63	39.1%	-45.7%
Croatia	HR	41	80.4%	105.0%
Hungary	HU	14	13.1%	-50.0%
Ireland	IE	169	15.9%	-17.2%
Iceland	IS	18	42.9%	-14.3%
Italy	IT	482	9.5%	2.3%
Liechtenstein	LI	229	51.3%	13.9%
Lithuania	LT	76	59.4%	137.5%
Luxembourg	LU	41	12.0%	-2.4%
Latvia	LV	7	25.9%	250.0%
Monaco	MC	6	26.1%	100.0%
Montenegro	ME	0	-	-
North Macedonia	MK	0	0.0%	-100.0%
Malta	MT	18	36.7%	12.5%
Netherlands	NL	3 313	47.0%	4.9%
Norway	NO	113	16.1%	20.2%
Poland	PL	262	39.1%	27.2%
Portugal	PT	43	13.0%	16.2%
Romania	RO	14	33.3%	-46.2%
Serbia	RS	3	21.4%	50.0%
Sweden	SE	1 396	27.2%	1.6%
Slovenia	SI	51	33.3%	27.5%
Slovakia	SK	16	28.6%	100.0%
San Marino	SM	0	0.0%	-
Türkiye	TR	35	5.7%	-5.4%
EPC states		26 871	31.2%	5.6%
P.R. China	CN	344	1.7%	2.1%
Japan	JP	472	2.2%	12.1%
Rep. Korea	KR	79	0.6%	27.4%
United States of America	US	1 267	2.6%	5.2%
Other countries		508	4.9%	-7.5%
Non EPC		2 670	2.4%	3.8%
TOTAL		29 541	14.8%	5.5%

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2. European procedures

2.1 Grant procedure

Fate of 100 applications filed from 1978 to 2018.

Fate of applications by filing route

Procedural phase		Euro-direct applications	PCT regional phase	Total
Before examination	Refused	0	0	0
	Withdrawn	21	7	15
Forwarded for examination		79	92	85
Examination	Refused	3	3	3
	Withdrawn	20	29	24
	Granted	55	60	57
Total		100	100	100

Fate of 100 PCT international filings 1978-2018

Not pursued in the EPO regional phase		48
Entered the European procedure		52
Before examination	Refused	0
	Withdrawn	4
Forwarded for examination		49
Examination	Refused	2
	Withdrawn	15
	Granted	32
Total		100

Fate of applications filed from 2019 to 2023.

Fate of applications by filing route

Euro-direct	2019		2020		2021		2022		2023		
Applications filed	75 810	100.0%	73 495	100.0%	73 679	100.0%	72 982	100.0%	76 736	100.0%	
Before examination	Refused	657	0.9%	396	0.5%	324	0.4%	167	0.2%	60	0.1%
	Withdrawn	20 897	27.6%	20 273	27.6%	19 612	26.6%	12 843	17.6%	4 000	5.2%
	Not yet forwarded for examination:										
	Search completed	216	0.3%	253	0.3%	562	0.8%	11 782	16.1%	14 980	19.5%
	Search not completed	54	0.1%	115	0.2%	103	0.1%	238	0.3%	32 743	42.7%
Forwarded	53 986	71.2%	52 458	71.4%	53 078	72.0%	47 952	65.7%	24 953	32.5%	
Examination	Refused	949	1.3%	318	0.4%	152	0.2%	5	0.0%	0	0.0%
	Withdrawn	5 814	7.7%	3 743	5.1%	1 866	2.5%	347	0.5%	7	0.0%
	Granted	31 233	41.2%	20 726	28.2%	10 621	14.4%	2 216	3.0%	16	0.0%
	Examination pending	15 990	21.1%	27 671	37.7%	40 439	54.9%	45 384	62.2%	24 930	32.5%

PCT with supplementary search	2019		2020		2021		2022		2023		
Applications filed	51 663	100.0%	53 330	100.0%	58 740	100.0%	62 748	100.0%	64 378	100.0%	
Before examination	Refused	9	0.0%	7	0.0%	18	0.0%	17	0.0%	2	0.0%
	Withdrawn	5 449	10.5%	4 488	8.4%	5 242	8.9%	2 191	3.5%	452	0.7%
	Not yet forwarded for examination:										
	Search completed	24	0.0%	59	0.1%	226	0.4%	2 515	4.0%	190	0.3%
	Search not completed	4	0.0%	12	0.0%	187	0.3%	16 007	25.5%	56 239	87.4%
Forwarded	46 177	89.4%	48 764	91.4%	53 067	90.3%	42 018	67.0%	7 495	11.6%	
Examination	Refused	958	1.9%	302	0.6%	98	0.2%	6	0.0%	0	0.0%
	Withdrawn	6 403	12.4%	4 528	8.5%	1 773	3.0%	234	0.4%	13	0.0%
	Granted	21 724	42.0%	14 235	26.7%	6 690	11.4%	967	1.5%	2	0.0%
	Examination pending	17 092	33.1%	29 699	55.7%	44 506	75.8%	40 811	65.0%	7 480	11.6%

PCT without supplementary search	2019		2020		2021		2022		2023		
Applications filed	54 046	100.0%	53 586	100.0%	56 397	100.0%	57 896	100.0%	58 325	100.0%	
Before examination	Refused	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Withdrawn	73	0.1%	96	0.2%	55	0.1%	61	0.1%	49	0.1%
	Not yet forwarded for examination:										
	Search completed	3	0.0%	0	0.0%	2	0.0%	11	0.0%	32	0.1%
	Search not completed	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Forwarded	53 970	99.9%	53 490	99.8%	56 340	99.9%	57 824	99.9%	58 244	99.9%	
Examination	Refused	848	1.6%	372	0.7%	63	0.1%	3	0.0%	0	0.0%
	Withdrawn	9 601	17.8%	7 393	13.8%	4 621	8.2%	2 146	3.7%	654	1.1%
	Granted	30 718	56.8%	22 600	42.2%	14 377	25.5%	5 814	10.0%	228	0.4%
	Examination pending	12 803	23.7%	23 125	43.2%	37 279	66.1%	49 861	86.1%	57 362	98.3%

Total applications	2019		2020		2021		2022		2023		
Applications filed	181 519	100.0%	180 411	100.0%	188 816	100.0%	193 626	100.0%	199 439	100.0%	
Before examination	Refused	666	0.4%	403	0.2%	342	0.2%	184	0.1%	62	0.0%
	Withdrawn	26 419	14.6%	24 857	13.8%	24 909	13.2%	15 095	7.8%	4 501	2.3%
	Not yet forwarded for examination:										
	Search completed	243	0.1%	312	0.2%	790	0.4%	14 308	7.4%	15 202	7.6%
	Search not completed	58	0.0%	127	0.1%	290	0.2%	16 245	8.4%	88 982	44.6%
Forwarded	154 133	84.9%	154 712	85.8%	162 485	86.1%	147 794	76.3%	90 692	45.5%	
Examination	Refused	2 755	1.5%	992	0.5%	313	0.2%	14	0.0%	0	0.0%
	Withdrawn	21 818	12.0%	15 664	8.7%	8 260	4.4%	2 727	1.4%	674	0.3%
	Granted	83 675	46.1%	57 561	31.9%	31 688	16.8%	8 997	4.6%	246	0.1%
	Examination pending	45 885	25.3%	80 495	44.6%	122 224	64.7%	136 056	70.3%	89 772	45.0%

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2.2 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	22 183	164	0.7%	188	1.15
Electrical machinery, apparatus, energy	5 275	78	1.5%	92	1.18
Audio-visual technology	1 664	26	1.6%	28	1.08
Telecommunications	1 774	9	0.5%	11	1.22
Digital communication	6 401	17	0.3%	19	1.12
Basic communication processes	456	2	0.4%	2	1.00
Computer technology	4 898	20	0.4%	22	1.10
IT methods for management	198	5	2.5%	5	1.00
Semiconductors	1 517	7	0.5%	9	1.29
Instruments	15 249	254	1.7%	307	1.21
Optics	1 990	12	0.6%	14	1.17
Measurement	4 971	50	1.0%	55	1.10
Analysis of biological materials	426	15	3.5%	34	2.27
Control	1 608	43	2.7%	49	1.14
Medical technology	6 254	134	2.1%	155	1.16
Chemistry	13 501	625	4.6%	991	1.59
Organic fine chemistry	1 984	63	3.2%	107	1.70
Biotechnology	1 322	62	4.7%	97	1.56
Pharmaceuticals	1 741	137	7.9%	321	2.34
Macromolecular chemistry, polymers	1 547	68	4.4%	102	1.50
Food chemistry	299	38	12.7%	52	1.37
Basic materials chemistry	1 577	67	4.2%	86	1.28
Materials, metallurgy	1 391	70	5.0%	81	1.16
Surface technology, coating	1 105	48	4.3%	62	1.29
Micro-structural and nano-technology	72	0	0.0%	0	-
Chemical engineering	1 731	55	3.2%	64	1.16
Environmental technology	732	17	2.3%	19	1.12
Mechanical engineering	20 235	562	2.8%	639	1.14
Handling	2 160	82	3.8%	93	1.13
Machine tools	2 129	71	3.3%	80	1.13
Engines, pumps, turbines	2 632	81	3.1%	90	1.11
Textile and paper machines	1 248	41	3.3%	48	1.17
Other special machines	2 941	112	3.8%	124	1.11
Thermal processes and apparatus	1 372	24	1.7%	30	1.25
Mechanical elements	2 276	52	2.3%	56	1.08
Transport	5 477	99	1.8%	118	1.19
Other fields	6 092	229	3.8%	285	1.24
Furniture, games	1 456	32	2.2%	37	1.16
Other consumer goods	1 998	115	5.8%	158	1.37
Civil engineering	2 638	82	3.1%	90	1.10
Not classified	22	0	0.0%	0	-
Total	77 282	1 834	2.4%	2 410	1.31

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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	1 083	47	4.3%	58	1.23
BE Belgium	828	65	7.9%	113	1.74
BG Bulgaria	21	0	0.0%	0	-
CH Switzerland	2 867	128	4.5%	212	1.66
CY Cyprus	20	0	0.0%	0	-
CZ Czech Republic	91	3	3.3%	3	1.00
DE Germany	11 852	453	3.8%	565	1.25
DK Denmark	724	59	8.1%	76	1.29
EE Estonia	16	1	6.3%	1	1.00
ES Spain	562	16	2.8%	18	1.13
FI Finland	793	32	4.0%	37	1.16
FR France	5 134	121	2.4%	137	1.13
GB United Kingdom	2 214	76	3.4%	98	1.29
GR Greece	49	2	4.1%	2	1.00
HR Croatia	14	0	0.0%	0	-
HU Hungary	44	2	4.5%	2	1.00
IE Ireland	421	10	2.4%	10	1.00
IS Iceland	15	1	6.7%	3	3.00
IT Italy	2 515	94	3.7%	106	1.13
LI Liechtenstein	164	5	3.0%	6	1.20
LT Lithuania	18	1	5.6%	1	1.00
LU Luxembourg	178	11	6.2%	24	2.18
LV Latvia	7	0	0.0%	0	-
MC Monaco	6	0	0.0%	0	-
ME Montenegro	0	0	-	0	-
MK North Macedonia	0	0	-	0	-
MT Malta	28	3	10.7%	4	1.33
NL Netherlands	2 035	85	4.2%	109	1.28
NO Norway	296	9	3.0%	9	1.00
PL Poland	191	7	3.7%	7	1.00
PT Portugal	67	0	0.0%	0	-
RO Romania	16	0	0.0%	0	-
RS Serbia	2	0	0.0%	0	-
SE Sweden	2 027	42	2.1%	48	1.14
SI Slovenia	39	0	0.0%	0	-
SK Slovakia	17	0	0.0%	0	-
SM San Marino	5	0	0.0%	0	-
TR Türkiye	233	3	1.3%	3	1.00
EPC states	34 592	1 276	3.7%	1 652	1.29
CN P.R. China	5 720	36	0.6%	50	1.39
JP Japan	10 450	107	1.0%	124	1.16
KR Rep. Korea	4 168	24	0.6%	29	1.21
US United States of America	18 712	349	1.9%	506	1.45
Other	3 640	42	1.2%	49	1.17
Total	77 282	1 834	2.4%	2 410	1.31

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Outcome of the opposition procedures completed in 2023 (examiner decisions).

According to the field of technology

Technology	Opposition rejected		Patent revoked		Patent amended		Total	
Electrical engineering	54	25%	90	41%	75	34%	219	100%
Electrical machinery, apparatus, energy	27	31%	24	28%	35	41%	86	100%
Audio-visual technology	9	24%	16	43%	12	32%	37	100%
Telecommunications	4	25%	6	38%	6	38%	16	100%
Digital communication	8	17%	26	55%	13	28%	47	100%
Basic communication processes	0	0%	0	0%	1	100%	1	100%
Computer technology	5	20%	15	60%	5	20%	25	100%
IT methods for management	0	0%	1	100%	0	0%	1	100%
Semiconductors	1	17%	2	33%	3	50%	6	100%
Instruments	111	26%	112	27%	197	47%	420	100%
Optics	8	24%	6	18%	20	59%	34	100%
Measurement	28	33%	21	25%	36	42%	85	100%
Analysis of biological materials	8	38%	6	29%	7	33%	21	100%
Control	4	14%	12	43%	12	43%	28	100%
Medical technology	63	25%	67	27%	122	48%	252	100%
Chemistry	322	27%	342	29%	524	44%	1 188	100%
Organic fine chemistry	48	35%	37	27%	51	38%	136	100%
Biotechnology	39	22%	58	33%	79	45%	176	100%
Pharmaceuticals	43	23%	72	39%	68	37%	183	100%
Macromolecular chemistry, polymers	28	19%	39	27%	79	54%	146	100%
Food chemistry	25	26%	28	29%	42	44%	95	100%
Basic materials chemistry	54	31%	48	28%	70	41%	172	100%
Materials, metallurgy	38	37%	21	20%	44	43%	103	100%
Surface technology, coating	19	25%	18	24%	38	51%	75	100%
Micro-structural and nano-technology	0	-	0	-	0	-	0	-
Chemical engineering	22	29%	15	20%	38	51%	75	100%
Environmental technology	6	22%	6	22%	15	56%	27	100%
Mechanical engineering	267	33%	131	16%	400	50%	798	100%
Handling	53	40%	20	15%	61	46%	134	100%
Machine tools	28	32%	10	11%	49	56%	87	100%
Engines, pumps, turbines	20	29%	15	22%	34	49%	69	100%
Textile and paper machines	28	42%	12	18%	27	40%	67	100%
Other special machines	58	35%	34	20%	76	45%	168	100%
Thermal processes and apparatus	15	42%	3	8%	18	50%	36	100%
Mechanical elements	34	33%	14	14%	54	53%	102	100%
Transport	31	23%	23	17%	81	60%	135	100%
Other fields	95	31%	62	21%	145	48%	302	100%
Furniture, games	19	31%	18	29%	25	40%	62	100%
Other consumer goods	33	22%	34	23%	80	54%	147	100%
Civil engineering	43	46%	10	11%	40	43%	93	100%
Unclassified	2	100%	0	0%	0	0%	2	100%
Total	851	29.1%	737	25.2%	1 341	45.8%	2 929	100%

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2.3 Appeal procedures

Refusals by the examining divisions and appeals in 2023

Technology	Decisions to refuse	Appealed decisions	
Electrical engineering	2 715	213	8%
Electrical machinery, apparatus, energy	190	16	8%
Audio-visual technology	317	21	7%
Telecommunications	119	7	6%
Digital communication	317	26	8%
Basic communication processes	73	9	12%
Computer technology	1 418	110	8%
IT methods for management	217	17	8%
Semiconductors	64	7	11%
Instruments	659	71	11%
Optics	71	6	8%
Measurement	191	15	8%
Analysis of biological materials	20	5	25%
Control	183	21	11%
Medical technology	194	24	12%
Chemistry	332	55	17%
Organic fine chemistry	21	2	10%
Biotechnology	49	5	10%
Pharmaceuticals	88	16	18%
Macromolecular chemistry, polymers	11	2	18%
Food chemistry	18	8	44%
Basic materials chemistry	35	6	17%
Materials, metallurgy	26	3	12%
Surface technology, coating	13	4	31%
Micro-structural and nano-technology	0	0	-
Chemical engineering	40	5	13%
Environmental technology	31	4	13%
Mechanical engineering	228	36	16%
Handling	34	8	24%
Machine tools	20	2	10%
Engines, pumps, turbines	32	4	13%
Textile and paper machines	10	2	20%
Other special machines	17	4	24%
Thermal processes and apparatus	15	1	7%
Mechanical elements	30	4	13%
Transport	70	11	16%
Other fields	91	19	21%
Furniture, games	34	7	21%
Other consumer goods	30	6	20%
Civil engineering	27	6	22%
Unclassified	0	0	-
Total	4 025	394	10%

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Decisions by the opposition divisions and appeals filed in 2023

Type of decision	Total cases	Appealed cases	
Opposition rejected	851	344	40%
Patent revoked	737	323	44%
Patent amended	1 341	949	71%
Total	2 929	1 616	55%

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2.4 Processing times

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 2023.

Procedure	Months	<i>Previous year</i>
Search (all searches) ¹	5.0	4.9
Examination ²	24.9	24.3
Opposition ³	19.3	19.6

- (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).

3. Publications

Technology	Applications		Examination requests		Granted patents		Patents with unitary effect		Uptake rate
Electrical engineering	63 643	34%	61 025	35%	29 409	28%	3 440	19%	11.7%
Electrical machinery, apparatus, energy	13 721	7.3%	13 120	7.4%	6 183	5.9%	863	4.7%	14.0%
Audio-visual technology	4 671	2.5%	4 440	2.5%	2 292	2.2%	258	1.4%	11.3%
Telecommunications	4 808	2.6%	4 667	2.6%	2 601	2.5%	305	1.7%	11.7%
Digital communication	17 077	9.1%	16 615	9.4%	8 844	8.5%	908	5.0%	10.3%
Basic communication processes	1 102	0.6%	1 047	0.6%	554	0.5%	54	0.3%	9.7%
Computer technology	15 813	8.4%	14 985	8.5%	6 826	6.5%	804	4.4%	11.8%
IT methods for management	2 170	1.2%	2 076	1.2%	473	0.5%	94	0.5%	19.9%
Semiconductors	4 281	2.3%	4 075	2.3%	1 636	1.6%	154	0.8%	9.4%
Instruments	33 475	18%	30 961	18%	21 056	20%	3 941	22%	18.7%
Optics	4 065	2.2%	3 780	2.1%	2 641	2.5%	338	1.8%	12.8%
Measurement	9 123	4.9%	8 537	4.8%	6 635	6.3%	966	5.3%	14.6%
Analysis of biological materials	1 179	1%	1 105	1%	566	1%	138	1%	24.4%
Control	3 339	1.8%	3 085	1.7%	2 126	2.0%	365	2.0%	17.2%
Medical technology	15 769	8.4%	14 454	8.2%	9 088	8.7%	2 134	11.7%	23.5%
Chemistry	42 892	23%	40 439	23%	18 288	17%	3 737	20%	20.4%
Organic fine chemistry	5 021	2.7%	4 776	2.7%	2 543	2.4%	458	2.5%	18.0%
Biotechnology	7 188	3.8%	6 717	3.8%	1 753	1.7%	426	2.3%	24.3%
Pharmaceuticals	8 941	4.8%	8 486	4.8%	2 765	2.6%	694	3.8%	25.1%
Macromolecular chemistry, polymers	3 698	2.0%	3 506	2.0%	2 214	2.1%	216	1.2%	9.8%
Food chemistry	1 806	1.0%	1 703	1.0%	624	0.6%	198	1.1%	31.7%
Basic materials chemistry	3 682	2%	3 497	2%	1 989	2%	343	2%	17.2%
Materials, metallurgy	3 949	2.1%	3 619	2.0%	1 768	1.7%	344	1.9%	19.5%
Surface technology, coating	2 717	1.5%	2 513	1.4%	1 293	1.2%	233	1.3%	18.0%
Micro-structural and nano-technology	128	0.1%	130	0.1%	91	0.1%	11	0.1%	12.1%
Chemical engineering	4 008	2.1%	3 804	2.2%	2 260	2.2%	557	3.0%	24.6%
Environmental technology	1 754	0.9%	1 688	1.0%	988	0.9%	257	1.4%	26.0%
Mechanical engineering	35 211	19%	33 042	19%	26 848	26%	4 953	27%	18.4%
Handling	4 528	2.4%	4 226	2.4%	3 087	3.0%	741	4.1%	24.0%
Machine tools	3 401	1.8%	3 166	1.8%	2 657	2.5%	579	3.2%	21.8%
Engines, pumps, turbines	4 005	2.1%	3 659	2.1%	3 344	3.2%	431	2.4%	12.9%
Textile and paper machines	2 042	1.1%	1 931	1.1%	1 701	1.6%	287	1.6%	16.9%
Other special machines	6 134	3.3%	5 587	3.2%	4 314	4.1%	968	5.3%	22.4%
Thermal processes and apparatus	2 540	1.4%	2 415	1.4%	1 998	1.9%	386	2.1%	19.3%
Mechanical elements	3 398	1.8%	3 288	1.9%	2 924	2.8%	551	3.0%	18.8%
Transport	9 163	5%	8 770	5%	6 823	7%	1 010	6%	14.8%
Other fields	12 078	6%	11 217	6%	8 971	9%	2 212	12%	24.7%
Furniture, games	3 040	1.6%	2 770	1.6%	2 238	2.1%	565	3.1%	25.2%
Other consumer goods	4 744	2.5%	4 387	2.5%	2 928	2.8%	560	3.1%	19.1%
Civil engineering	4 294	2.3%	4 060	2.3%	3 805	3.6%	1 087	5.9%	28.6%
Unclassified	22	0.0%	22	0.0%	37	0.0%	3	0.0%	8.1%
Total	187 321	100.0%	176 706	100.0%	104 609	100.0%	18 286	100.0%	17.5%

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4. 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, where relevant those that entered into force from a registered unitary effect and the number of European patents still in force at the end of 2023. The data cover the filing period 2004-2023 for which patents can still be in force within their 20 years term.

As the patent term is 20 years, the figures cover the applications filed between January 2004 and December 2023.

Applications for a European patent are counted in the year of the international filing date. In the case of the Euro-direct applications this corresponds to the filing date at the EPO. 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 PCT filing date. As a consequence, the yearly counts for applications filed are different from the count of applications at the EPO as reported in section 2 Analysis and Annex 1 of the document.

The statistics reflect the current status of the designations in the EPO granting procedure at the end of 2023.

To appear as validated in a member state, a granted patent should not lapse in that member state during the period between the publication date and the due date of the payment of the first national renewal fee.

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 gives an overview of the fate of the resulting patent rights granted by the EPO.

Filing period (International filing date)	Applications filed	Applications filed (requests for patent rights)	Granted patent rights	Validated patent rights			Patent right still in force
				All	of which without translation*	with unitary effect	
Cumulated counts of designated states (rights)							
Total filed: 2004 - 2023	3 005 527	101 776 509	42 815 414	17 073 010	8 596 710	310 862	6 353 414
Total filed: 2003 - 2022	2 941 510	96 788 594	40 087 191	12 517 387	6 067 351	-	5 740 487
<i>Change: status end of 2023 over status end of 2022</i>	2%	5%	7%	36%	42%	-	11%

* No translation requirement under Art. 65(1) EPC

Due to the legal delay for paying the national renewal fees and for the final registration of lapses, the number of patents still in force at the end of 2023 is still provisional.

In 2023, 50% of the patent rights were immediately validated as a consequence of the London Agreement in member states that dispensed entirely with any translation, under Art. 65(1) EPC.

The first validations resulting from the Unitary Patent system were recorded in 2023. These validations are interpreted as distinct rights in each member states party to the UP system, in order to make the respective EP and UP volumes comparable. UP validations accounted for 1.8% of all EP patent rights validated. For the group of the 17 states party to the UP system the rights resulting from unitary effect accounted for 4% of the validations in these states.

a. Albania

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004					
2005					
2006					
2007					
2008					
2009					
2010	98 779	53 688	890	-	694
2011	149 514	83 550	1 738	-	1 505
2012	153 404	88 779	2 056	-	1 854
2013	158 074	92 343	2 687	-	2 536
2014	163 221	96 306	3 892	-	3 815
2015	162 568	94 359	5 631	-	5 596
2016	165 799	92 138	8 353	-	8 340
2017	170 328	85 211	13 295	-	13 292
2018	173 440	70 340	18 807	-	18 807
2019	177 766	49 613	21 193	-	21 193
2020	181 666	27 458	18 176	-	18 176
2021	175 776	9 503	7 959	-	7 959
2022	107 553	1 674	1 653	-	1 653
2023	64 013	0	0	-	0

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
2004																			
2005																			
2006																			
2007																			
2008																			
2009																			
2010	890	100%	100%	99%	97%	94%	91%	86%	83%	79%	79%	78%	78%						
2011	1 738	100%	100%	100%	99%	97%	94%	91%	88%	87%	87%	87%							
2012	2 056	100%	100%	100%	99%	96%	94%	92%	90%	90%	90%								
2013	2 687	100%	100%	100%	98%	97%	95%	95%	94%	94%									
2014	3 892	100%	100%	100%	99%	98%	98%	98%	98%										
2015	5 631	100%	100%	100%	99%	99%	99%	99%											
2016	8 353	100%	100%	100%	100%	100%	100%												
2017	13 295	100%	100%	100%	100%	100%													
2018	18 807	100%	100%	100%	100%														
2019	21 193	100%	100%	100%															
2020	18 176	100%	100%																
2021	7 959	100%																	
2022	1 653																		
2023																			

b. Austria

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004	98 344	44 566	15 718	0	2 248
2005	107 369	47 371	16 199	0	2 696
2006	114 449	51 271	17 039	0	3 276
2007	120 551	55 741	17 772	22	3 566
2008	131 076	64 751	19 478	44	4 303
2009	135 293	71 774	19 867	76	4 778
2010	144 124	78 363	21 073	109	5 422
2011	149 541	83 575	21 590	147	6 163
2012	153 430	88 801	21 598	194	6 605
2013	158 094	92 361	21 132	305	7 373
2014	163 251	96 335	21 574	499	8 489
2015	162 581	94 371	21 668	785	9 449
2016	165 824	92 160	21 727	1 243	10 612
2017	170 347	85 224	21 204	1 979	11 779
2018	173 459	70 348	19 783	3 019	18 488
2019	177 783	49 624	16 088	3 829	16 086
2020	181 670	27 458	11 191	3 817	11 190
2021	175 785	9 504	4 351	1 810	4 351
2022	107 553	1 674	924	408	924
2023	64 013	0	0	0	0

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
2004	15 718	99%	91%	83%	74%	67%	60%	54%	48%	43%	38%	34%	30%	27%	23%	20%	18%	16%	14%
2005	16 199	98%	89%	81%	73%	66%	59%	53%	47%	42%	38%	34%	30%	26%	23%	20%	18%	17%	
2006	17 039	98%	90%	90%	74%	66%	59%	53%	47%	42%	37%	33%	29%	26%	23%	21%	19%		
2007	17 772	98%	98%	98%	72%	64%	57%	52%	46%	40%	35%	31%	27%	24%	22%	20%			
2008	19 478	100%	100%	100%	70%	63%	57%	50%	44%	38%	33%	29%	26%	24%	22%				
2009	19 867	100%	100%	100%	69%	62%	55%	48%	42%	36%	31%	28%	26%	24%					
2010	21 073	100%	100%	100%	69%	60%	52%	45%	39%	33%	30%	27%	26%						
2011	21 590	100%	100%	100%	68%	59%	51%	44%	37%	33%	30%	29%							
2012	21 598	100%	100%	100%	66%	57%	48%	41%	36%	33%	31%								
2013	21 132	100%	100%	100%	67%	56%	47%	41%	37%	35%									
2014	21 574	100%	100%	100%	62%	52%	46%	41%	39%										
2015	21 668	100%	100%	100%	60%	51%	46%	44%											
2016	21 727	100%	100%	100%	59%	51%	49%												
2017	21 204	100%	100%	100%	58%	56%													
2018	19 783	100%	100%	100%	93%														
2019	16 088	100%	100%	100%															
2020	11 191	100%	100%																
2021	4 351	100%																	
2022	924																		
2023																			

c. Belgium

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004	98 547	44 634	22 666	0	2 694
2005	107 571	47 490	24 555	0	3 278
2006	114 459	51 292	27 218	0	3 876
2007	120 491	55 649	30 384	22	4 225
2008	130 979	64 660	36 582	44	4 961
2009	135 260	71 748	42 533	76	5 681
2010	144 116	78 355	50 835	109	6 498
2011	149 536	83 570	59 794	147	7 510
2012	153 421	88 793	69 725	194	8 507
2013	158 083	92 353	81 436	305	9 905
2014	163 234	96 318	92 167	499	12 146
2015	162 584	94 374	93 621	785	13 983
2016	165 815	92 156	92 149	1 243	16 581
2017	170 339	85 219	85 212	1 979	20 500
2018	173 450	70 341	70 338	3 019	24 203
2019	177 766	49 611	49 610	3 829	24 161
2020	181 668	27 456	27 456	3 817	18 415
2021	175 785	9 504	9 504	1 810	7 740
2022	107 552	1 674	1 674	408	1 674
2023	64 012	0	0	0	0

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
2004	22 666	98%	89%	80%	71%	64%	58%	53%	48%	44%	41%	38%	32%	27%	21%	17%	15%	13%	12%
2005	24 555	98%	88%	79%	72%	65%	60%	55%	50%	47%	43%	37%	30%	24%	19%	16%	15%	13%	
2006	27 218	98%	89%	81%	73%	67%	62%	57%	53%	49%	42%	34%	26%	21%	17%	15%	14%		
2007	30 384	98%	90%	81%	74%	68%	63%	59%	55%	46%	36%	26%	21%	17%	15%	14%			
2008	36 582	98%	90%	82%	76%	70%	66%	61%	52%	39%	28%	21%	17%	15%	14%				
2009	42 533	98%	91%	83%	77%	73%	68%	57%	42%	30%	21%	17%	14%	13%					
2010	50 835	98%	92%	85%	79%	75%	63%	47%	32%	22%	17%	14%	13%						
2011	59 794	98%	93%	87%	82%	70%	53%	36%	24%	17%	14%	13%							
2012	69 725	99%	94%	88%	75%	56%	38%	25%	17%	14%	12%								
2013	81 436	99%	95%	83%	64%	43%	28%	19%	14%	12%									
2014	92 167	99%	91%	73%	51%	33%	22%	15%	13%										
2015	93 621	97%	86%	64%	42%	27%	18%	15%											
2016	92 149	95%	81%	57%	35%	22%	18%												
2017	85 212	93%	76%	51%	31%	24%													
2018	70 338	91%	72%	46%	34%														
2019	49 610	88%	66%	49%															
2020	27 456	86%	67%																
2021	9 504	81%																	
2022	1 674																		
2023																			

d. Bulgaria

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004	97 428	43 950	28 351	0	685
2005	106 520	46 794	28 920	0	738
2006	113 607	50 707	30 573	0	892
2007	119 867	55 229	31 375	22	910
2008	130 658	64 414	35 267	44	1 096
2009	135 145	71 650	37 004	76	1 419
2010	144 088	78 325	38 721	109	1 684
2011	149 518	83 552	42 724	147	2 307
2012	153 407	88 780	49 485	194	2 843
2013	158 075	92 343	60 577	305	3 919
2014	163 230	96 314	69 209	499	5 787
2015	162 572	94 362	69 316	785	7 948
2016	165 807	92 142	68 862	1 243	11 721
2017	170 337	85 215	65 930	1 979	18 304
2018	173 455	70 344	57 313	3 019	25 571
2019	177 775	49 616	42 759	3 829	28 240
2020	181 671	27 458	25 605	3 817	22 016
2021	175 784	9 503	9 480	1 810	9 266
2022	107 553	1 674	1 674	408	1 674
2023	64 013	0	0	0	0

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
2004	28 351	89%	75%	59%	48%	37%	28%	20%	18%	16%	15%	12%	9%	6%	4%	3%	3%	2%	2%
2005	28 920	90%	73%	61%	47%	36%	26%	23%	20%	19%	15%	11%	7%	5%	4%	3%	3%	3%	
2006	30 573	89%	75%	60%	46%	34%	30%	27%	25%	20%	14%	9%	6%	4%	3%	3%	3%		
2007	31 375	91%	74%	58%	43%	39%	35%	33%	26%	18%	11%	7%	4%	3%	3%	3%			
2008	35 267	91%	73%	55%	49%	45%	43%	34%	24%	14%	8%	5%	4%	3%	3%				
2009	37 004	88%	68%	62%	56%	54%	43%	30%	18%	10%	6%	4%	4%	4%					
2010	38 721	89%	80%	74%	71%	57%	41%	25%	14%	8%	5%	4%	4%						
2011	42 724	95%	88%	86%	70%	51%	34%	19%	10%	6%	5%	5%							
2012	49 485	97%	94%	78%	57%	37%	21%	12%	7%	6%	6%								
2013	60 577	99%	84%	64%	43%	26%	14%	8%	6%	6%									
2014	69 209	94%	75%	53%	32%	18%	10%	8%	8%										
2015	69 316	90%	69%	45%	26%	14%	11%	11%											
2016	68 862	88%	63%	38%	21%	17%	17%												
2017	65 930	86%	57%	34%	28%	28%													
2018	57 313	82%	53%	45%	45%														
2019	42 759	77%	66%	66%															
2020	25 605	86%	86%																
2021	9 480	98%																	
2022	1 674																		
2023																			

e. Switzerland/Liechtenstein

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004	99 668	45 433	41 134	-	3 483
2005	108 664	48 175	46 570	-	4 224
2006	115 630	52 052	51 706	-	5 176
2007	121 357	56 256	56 068	-	5 853
2008	131 576	65 121	64 970	-	7 054
2009	135 419	71 883	71 747	-	8 028
2010	144 116	78 355	78 252	-	8 937
2011	149 520	83 554	83 500	-	10 565
2012	153 421	88 792	88 756	-	11 783
2013	158 082	92 352	92 322	-	13 461
2014	163 240	96 324	96 302	-	15 653
2015	162 576	94 366	94 351	-	17 333
2016	165 793	92 131	92 119	-	19 883
2017	170 281	85 167	85 152	-	23 197
2018	173 404	70 294	70 287	-	25 422
2019	177 730	49 578	49 576	-	24 403
2020	181 643	27 441	27 440	-	19 285
2021	175 774	9 498	9 498	-	9 498
2022	107 549	1 674	1 674	-	1 674
2023	64 013	0	0	-	0

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
2004	41 134	100%	100%	87%	76%	66%	57%	49%	42%	36%	31%	27%	22%	19%	15%	13%	11%	10%	8%
2005	46 570	100%	100%	82%	72%	62%	54%	46%	39%	34%	29%	24%	20%	16%	13%	12%	10%	9%	
2006	51 706	100%	100%	80%	70%	61%	52%	45%	39%	33%	27%	22%	18%	14%	12%	11%	10%		
2007	56 068	100%	100%	80%	70%	60%	52%	45%	37%	30%	25%	19%	15%	13%	11%	10%			
2008	64 970	100%	100%	79%	68%	59%	51%	42%	34%	27%	20%	16%	13%	12%	11%				
2009	71 747	100%	100%	77%	67%	58%	48%	38%	30%	22%	17%	14%	12%	11%					
2010	78 252	100%	100%	77%	67%	56%	45%	35%	25%	18%	15%	12%	11%						
2011	83 500	100%	90%	79%	67%	54%	42%	30%	21%	17%	14%	13%							
2012	88 756	100%	90%	77%	62%	48%	34%	24%	18%	15%	13%								
2013	92 322	100%	90%	76%	59%	42%	29%	21%	17%	15%									
2014	96 302	100%	88%	72%	52%	35%	25%	19%	16%										
2015	94 351	100%	86%	66%	45%	30%	22%	18%											
2016	92 119	100%	82%	59%	39%	27%	22%												
2017	85 152	100%	78%	54%	35%	27%													
2018	70 287	100%	73%	49%	36%														
2019	49 576	100%	68%	49%															
2020	27 440	100%	70%																
2021	9 498	100%																	
2022	1 674																		
2023																			

f. Cyprus

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004	97 422	43 939	1 748	-	483
2005	106 511	46 788	1 626	-	513
2006	113 595	50 697	1 857	-	631
2007	119 860	55 225	1 920	-	660
2008	130 646	64 405	1 814	-	784
2009	135 147	71 651	1 752	-	1 117
2010	144 085	78 323	1 924	-	1 356
2011	149 517	83 551	2 560	-	2 074
2012	153 406	88 779	2 951	-	2 570
2013	158 074	92 343	4 082	-	3 693
2014	163 228	96 312	5 947	-	5 674
2015	162 570	94 360	8 286	-	8 076
2016	165 802	92 142	12 341	-	12 199
2017	170 338	85 215	19 457	-	19 376
2018	173 454	70 343	27 474	-	27 429
2019	177 772	49 613	30 296	-	30 281
2020	181 671	27 458	22 886	-	22 881
2021	175 784	9 503	9 503	-	9 502
2022	107 553	1 674	1 674	-	1 674
2023	64 013	0	0	-	0

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
2004	1 748	100%	99%	97%	93%	85%	79%	72%	67%	61%	55%	52%	48%	43%	39%	35%	32%	29%	28%
2005	1 626	100%	99%	96%	85%	81%	75%	71%	65%	60%	56%	51%	47%	44%	40%	36%	34%	32%	
2006	1 857	100%	99%	83%	80%	75%	71%	67%	62%	58%	54%	49%	45%	42%	39%	36%	34%		
2007	1 920	100%	75%	74%	71%	68%	64%	61%	56%	52%	48%	44%	41%	38%	36%	34%			
2008	1 814	83%	82%	81%	79%	75%	71%	67%	62%	58%	54%	50%	47%	45%	43%				
2009	1 752	98%	98%	97%	95%	94%	89%	85%	80%	77%	73%	69%	66%	64%					
2010	1 924	100%	100%	99%	97%	94%	90%	86%	83%	79%	76%	73%	70%						
2011	2 560	100%	100%	99%	98%	97%	94%	92%	87%	85%	83%	81%							
2012	2 951	100%	100%	100%	99%	97%	95%	92%	90%	88%	87%								
2013	4 082	100%	100%	100%	99%	98%	95%	94%	92%	90%									
2014	5 947	100%	100%	100%	99%	98%	97%	96%	95%										
2015	8 286	100%	100%	100%	99%	99%	98%	97%											
2016	12 341	100%	100%	100%	100%	99%	99%												
2017	19 457	100%	100%	100%	100%	100%													
2018	27 474	100%	100%	100%	100%														
2019	30 296	100%	100%	100%															
2020	22 886	100%	100%																
2021	9 503	100%																	
2022	1 674																		
2023																			

g. Czech Republic

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004	97 833	44 243	5 464	-	1 343
2005	106 878	47 066	5 194	-	1 496
2006	113 946	50 962	5 334	-	1 794
2007	120 127	55 426	5 106	-	1 848
2008	130 822	64 539	5 444	-	2 370
2009	135 186	71 688	5 259	-	2 497
2010	144 098	78 336	5 425	-	2 821
2011	149 522	83 556	5 659	-	3 279
2012	153 409	88 782	5 781	-	3 650
2013	158 079	92 347	5 781	-	3 925
2014	163 231	96 315	6 332	-	4 714
2015	162 573	94 363	6 577	-	5 351
2016	165 808	92 144	6 745	-	5 847
2017	170 338	85 216	7 586	-	7 042
2018	173 456	70 345	8 393	-	8 109
2019	177 777	49 618	8 408	-	8 324
2020	181 672	27 459	7 017	-	6 992
2021	175 784	9 503	3 408	-	3 407
2022	107 552	1 674	1 033	-	1 033
2023	64 013	0	0	-	0

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
2004	5 464	100%	99%	97%	91%	86%	80%	75%	70%	64%	58%	53%	49%	44%	40%	34%	31%	27%	25%
2005	5 194	100%	100%	97%	93%	89%	83%	78%	72%	66%	61%	56%	50%	45%	40%	36%	32%	29%	
2006	5 334	100%	99%	97%	94%	89%	85%	79%	73%	68%	62%	57%	51%	46%	41%	37%	34%		
2007	5 106	100%	99%	98%	94%	90%	84%	79%	73%	67%	61%	55%	49%	44%	39%	36%			
2008	5 444	100%	100%	98%	96%	91%	86%	81%	76%	69%	63%	56%	52%	47%	44%				
2009	5 259	100%	100%	98%	95%	91%	86%	80%	75%	69%	61%	55%	51%	47%					
2010	5 425	100%	100%	98%	95%	91%	87%	81%	74%	67%	62%	56%	52%						
2011	5 659	100%	100%	98%	95%	92%	87%	81%	73%	67%	62%	58%							
2012	5 781	100%	100%	99%	96%	92%	86%	78%	73%	67%	63%								
2013	5 781	100%	100%	98%	96%	91%	84%	78%	72%	68%									
2014	6 332	100%	100%	98%	95%	89%	84%	79%	74%										
2015	6 577	100%	100%	98%	94%	90%	85%	81%											
2016	6 745	100%	100%	98%	94%	91%	87%												
2017	7 586	100%	100%	98%	96%	93%													
2018	8 393	100%	99%	98%	97%														
2019	8 408	100%	100%	99%															
2020	7 017	100%	100%																
2021	3 408	100%																	
2022	1 033																		
2023																			

h. Germany

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004	132 659	64 543	64 267	0	20 049
2005	140 946	67 009	66 894	0	24 958
2006	146 200	69 989	69 975	0	30 118
2007	146 045	71 570	71 569	22	34 037
2008	145 324	74 688	74 687	44	39 247
2009	138 660	74 170	74 169	76	42 481
2010	144 160	78 399	78 396	109	48 310
2011	149 530	83 571	83 568	147	55 723
2012	153 398	88 773	88 773	194	62 417
2013	158 060	92 333	92 333	305	69 179
2014	163 225	96 317	96 317	499	75 877
2015	162 564	94 361	94 361	785	78 043
2016	165 812	92 150	92 149	1 243	79 958
2017	170 336	85 219	85 219	1 979	77 124
2018	173 423	70 323	70 323	3 019	65 940
2019	177 721	49 570	49 570	3 829	47 771
2020	181 650	27 447	27 447	3 817	26 926
2021	175 775	9 506	9 506	1 810	9 418
2022	107 551	1 674	1 674	408	1 674
2023	64 012	0	0	0	0

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
2004	64 267	100%	99%	98%	94%	91%	88%	85%	80%	76%	71%	66%	61%	56%	50%	43%	38%	33%	31%
2005	66 894	100%	99%	97%	95%	92%	89%	85%	81%	76%	72%	67%	62%	56%	50%	44%	39%	37%	
2006	69 975	100%	99%	97%	96%	93%	89%	86%	82%	77%	72%	67%	62%	55%	50%	45%	43%		
2007	71 569	100%	99%	98%	96%	93%	90%	86%	82%	77%	72%	67%	60%	54%	50%	48%			
2008	74 687	100%	99%	98%	96%	93%	89%	86%	81%	77%	71%	65%	60%	55%	53%				
2009	74 169	100%	99%	98%	96%	93%	89%	86%	81%	76%	70%	64%	59%	57%					
2010	78 396	100%	99%	98%	95%	93%	89%	85%	80%	74%	68%	64%	62%						
2011	83 568	100%	99%	98%	96%	93%	89%	85%	79%	74%	69%	67%							
2012	88 773	100%	99%	98%	95%	92%	88%	82%	77%	72%	70%								
2013	92 333	100%	99%	98%	95%	91%	86%	81%	77%	75%									
2014	96 317	100%	99%	97%	94%	90%	85%	81%	79%										
2015	94 361	100%	99%	96%	93%	89%	85%	83%											
2016	92 149	100%	99%	96%	92%	89%	87%												
2017	85 219	100%	98%	95%	92%	91%													
2018	70 323	99%	98%	95%	94%														
2019	49 570	99%	98%	96%															
2020	27 447	99%	98%																
2021	9 506	99%																	
2022	1 674																		
2023																			

i. Denmark

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004	97 837	44 212	9 071	0	1 839
2005	106 904	47 037	6 705	0	2 150
2006	113 984	50 936	6 706	0	2 541
2007	120 154	55 433	6 522	22	2 730
2008	130 810	64 530	6 921	44	3 342
2009	135 202	71 701	7 149	76	3 670
2010	144 105	78 340	7 494	109	4 219
2011	149 527	83 561	7 908	147	4 916
2012	153 412	88 785	7 801	194	5 175
2013	158 077	92 347	8 128	305	5 863
2014	163 240	96 324	8 338	499	6 387
2015	162 577	94 367	8 336	785	6 900
2016	165 811	92 147	8 442	1 243	7 468
2017	170 341	85 219	8 479	1 979	7 939
2018	173 457	70 346	8 528	3 019	8 252
2019	177 776	49 617	7 992	3 829	7 885
2020	181 671	27 458	6 417	3 817	6 393
2021	175 784	9 503	2 842	1 810	2 839
2022	107 553	1 674	695	408	695
2023	64 013	0	0	0	0

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
2004	9 071	73%	72%	71%	68%	65%	62%	58%	54%	50%	46%	42%	38%	35%	32%	28%	25%	22%	20%
2005	6 705	97%	96%	94%	91%	88%	83%	78%	73%	67%	61%	56%	51%	47%	42%	38%	35%	32%	
2006	6 706	100%	99%	98%	95%	91%	87%	82%	76%	70%	64%	60%	54%	49%	44%	41%	38%		
2007	6 522	100%	99%	98%	96%	91%	87%	82%	76%	70%	65%	60%	53%	48%	45%	42%			
2008	6 921	100%	100%	98%	95%	92%	87%	82%	77%	71%	66%	60%	56%	52%	48%				
2009	7 149	100%	100%	98%	96%	92%	87%	83%	77%	71%	65%	59%	55%	51%					
2010	7 494	100%	100%	98%	96%	92%	88%	82%	76%	69%	64%	60%	56%						
2011	7 908	100%	100%	99%	96%	93%	88%	83%	76%	70%	66%	62%							
2012	7 801	100%	100%	99%	96%	92%	87%	80%	74%	70%	66%								
2013	8 128	100%	100%	98%	96%	92%	85%	81%	76%	72%									
2014	8 338	100%	100%	98%	95%	90%	85%	80%	77%										
2015	8 336	100%	100%	98%	94%	90%	86%	83%											
2016	8 442	100%	100%	98%	95%	92%	88%												
2017	8 479	100%	100%	98%	96%	94%													
2018	8 528	100%	100%	98%	97%														
2019	7 992	100%	100%	99%															
2020	6 417	100%	100%																
2021	2 842	100%																	
2022	695																		
2023																			

j. Estonia

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004	97 398	43 940	1 875	0	515
2005	106 488	46 788	1 664	0	533
2006	113 592	50 701	1 708	0	601
2007	119 861	55 225	1 476	22	564
2008	130 651	64 409	1 507	44	683
2009	135 147	71 651	1 534	76	825
2010	144 085	78 323	1 596	109	889
2011	149 517	83 551	1 695	147	1 139
2012	153 407	88 780	1 781	194	1 270
2013	158 075	92 343	2 066	305	1 533
2014	163 229	96 313	2 435	499	2 062
2015	162 571	94 361	2 984	785	2 703
2016	165 805	92 141	3 872	1 243	3 687
2017	170 337	85 215	5 450	1 979	5 348
2018	173 455	70 344	7 666	3 019	7 606
2019	177 774	49 615	8 909	3 829	8 884
2020	181 671	27 458	8 285	3 817	8 279
2021	175 784	9 503	4 085	1 810	4 084
2022	107 553	1 674	1 149	408	1 149
2023	64 013	0	0	0	0

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
2004	1 875	100%	100%	97%	92%	87%	81%	74%	69%	63%	57%	53%	49%	44%	39%	36%	33%	30%	27%
2005	1 664	100%	99%	97%	93%	89%	82%	77%	71%	65%	60%	55%	50%	46%	42%	38%	34%	32%	
2006	1 708	100%	99%	98%	94%	89%	84%	78%	71%	66%	60%	55%	49%	45%	41%	37%	35%		
2007	1 476	100%	99%	97%	94%	90%	84%	79%	72%	66%	59%	54%	48%	43%	40%	38%			
2008	1 507	100%	100%	98%	95%	90%	84%	79%	72%	66%	61%	56%	51%	48%	45%				
2009	1 534	100%	100%	98%	96%	93%	88%	82%	76%	71%	65%	60%	56%	54%					
2010	1 596	100%	100%	98%	95%	90%	86%	81%	73%	67%	63%	59%	56%						
2011	1 695	100%	100%	99%	97%	94%	89%	84%	77%	73%	70%	67%							
2012	1 781	100%	100%	99%	97%	94%	87%	81%	76%	73%	71%								
2013	2 066	100%	100%	99%	97%	93%	86%	81%	77%	74%									
2014	2 435	100%	100%	99%	96%	93%	89%	87%	85%										
2015	2 984	100%	100%	99%	96%	94%	92%	91%											
2016	3 872	100%	100%	99%	98%	97%	95%												
2017	5 450	100%	100%	100%	99%	98%													
2018	7 666	100%	100%	100%	99%														
2019	8 909	100%	100%	100%															
2020	8 285	100%	100%																
2021	4 085	100%																	
2022	1 149																		
2023																			

k. Spain

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004	102 500	47 281	34 948	-	5 449
2005	110 979	49 743	34 410	-	6 408
2006	117 693	53 440	34 435	-	7 653
2007	123 218	57 523	33 480	-	8 594
2008	132 591	65 845	33 422	-	10 158
2009	135 647	72 057	30 542	-	10 846
2010	144 137	78 371	26 282	-	11 741
2011	149 534	83 568	22 101	-	13 166
2012	153 432	88 804	20 846	-	14 410
2013	158 098	92 368	21 049	-	15 686
2014	163 238	96 321	21 710	-	17 298
2015	162 588	94 378	20 559	-	17 497
2016	165 820	92 156	19 738	-	17 579
2017	170 346	85 225	17 720	-	16 518
2018	173 460	70 349	14 596	-	14 131
2019	177 781	49 622	10 217	-	10 085
2020	181 670	27 458	6 033	-	6 012
2021	175 783	9 503	1 911	-	1 911
2022	107 553	1 674	349	-	349
2023	64 013	0	0	-	0

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
2004	34 948	95%	88%	79%	70%	62%	54%	47%	42%	39%	35%	33%	29%	26%	24%	20%	18%	16%	16%
2005	34 410	95%	86%	77%	68%	59%	51%	46%	43%	40%	36%	33%	30%	27%	24%	21%	19%	19%	
2006	34 435	94%	85%	75%	65%	55%	50%	47%	44%	41%	37%	34%	31%	27%	25%	23%	22%		
2007	33 480	94%	83%	72%	61%	55%	52%	49%	46%	42%	39%	36%	32%	29%	26%	26%			
2008	33 422	93%	81%	67%	59%	57%	54%	51%	48%	45%	41%	37%	34%	31%	30%				
2009	30 542	90%	73%	64%	63%	61%	58%	55%	51%	47%	43%	39%	36%	36%					
2010	26 282	87%	75%	74%	73%	70%	67%	63%	59%	53%	49%	45%							
2011	22 101	91%	91%	90%	88%	85%	81%	76%	70%	65%	60%	60%							
2012	20 846	99%	99%	98%	96%	92%	88%	81%	75%	70%	69%								
2013	21 049	100%	100%	99%	96%	92%	86%	80%	75%	75%									
2014	21 710	100%	100%	98%	96%	91%	85%	80%	80%										
2015	20 559	100%	100%	98%	94%	90%	86%	85%											
2016	19 738	100%	100%	97%	94%	90%	89%												
2017	17 720	100%	99%	97%	94%	93%													
2018	14 596	100%	99%	97%	97%														
2019	10 217	100%	99%	99%															
2020	6 033	100%	100%																
2021	1 911	100%																	
2022	349																		
2023																			

I. Finland

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004	98 345	44 500	5 536	0	1 491
2005	107 383	47 328	5 412	0	1 761
2006	114 463	51 163	5 555	0	2 070
2007	120 500	55 608	5 233	22	2 124
2008	130 926	64 594	5 608	44	2 703
2009	135 204	71 696	5 459	76	2 920
2010	144 102	78 339	5 624	109	3 201
2011	149 533	83 567	5 832	147	3 685
2012	153 413	88 785	5 858	194	3 948
2013	158 087	92 356	6 172	305	4 431
2014	163 235	96 318	6 748	499	5 323
2015	162 578	94 367	6 934	785	5 892
2016	165 813	92 149	7 481	1 243	6 759
2017	170 339	85 217	8 255	1 979	7 843
2018	173 456	70 345	9 565	3 019	9 382
2019	177 774	49 615	9 704	3 829	9 642
2020	181 671	27 458	8 392	3 817	8 376
2021	175 784	9 503	3 892	1 810	3 890
2022	107 553	1 674	1 026	408	1 026
2023	64 013	0	0	0	0

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
2004	5 536	100%	99%	98%	93%	89%	83%	77%	72%	66%	60%	55%	50%	46%	41%	36%	33%	29%	27%
2005	5 412	100%	99%	97%	94%	90%	84%	79%	73%	68%	63%	58%	54%	48%	43%	39%	36%	33%	
2006	5 555	100%	99%	98%	95%	91%	86%	80%	74%	69%	64%	59%	53%	48%	44%	40%	37%		
2007	5 233	100%	100%	98%	96%	91%	85%	80%	75%	69%	63%	58%	52%	47%	44%	41%			
2008	5 608	100%	100%	99%	95%	91%	87%	81%	76%	71%	65%	60%	55%	51%	48%				
2009	5 459	100%	100%	98%	95%	92%	87%	82%	78%	72%	66%	61%	57%	53%					
2010	5 624	100%	100%	98%	96%	92%	87%	82%	76%	70%	65%	61%	57%						
2011	5 832	100%	100%	99%	96%	93%	89%	83%	76%	71%	67%	63%							
2012	5 858	100%	100%	98%	96%	92%	86%	80%	74%	70%	67%								
2013	6 172	100%	100%	99%	96%	92%	86%	80%	76%	72%									
2014	6 748	100%	100%	99%	95%	91%	87%	82%	79%										
2015	6 934	100%	100%	98%	95%	92%	88%	85%											
2016	7 481	100%	100%	99%	96%	93%	90%												
2017	8 255	100%	100%	99%	97%	95%													
2018	9 565	100%	100%	99%	98%														
2019	9 704	100%	100%	99%															
2020	8 392	100%	100%																
2021	3 892	100%																	
2022	1 026																		
2023																			

m. France

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004	128 287	61 984	60 835	0	14 311
2005	136 190	64 216	64 008	0	17 527
2006	141 102	66 936	66 932	0	21 559
2007	141 973	68 927	68 926	22	24 757
2008	142 230	72 451	72 451	44	28 459
2009	137 965	73 691	73 691	76	31 312
2010	144 214	78 457	78 455	109	35 716
2011	149 575	83 617	83 615	147	41 255
2012	153 460	88 832	88 832	194	46 610
2013	158 127	92 402	92 402	305	52 131
2014	163 296	96 383	96 383	499	58 177
2015	162 633	94 423	94 423	785	60 617
2016	165 860	92 200	92 199	1 243	62 900
2017	170 381	85 262	85 262	1 979	62 094
2018	173 469	70 363	70 363	3 019	55 063
2019	177 785	49 628	49 628	3 829	41 601
2020	181 669	27 459	27 459	3 817	24 710
2021	175 787	9 505	9 505	1 810	8 883
2022	107 552	1 675	1 675	408	1 665
2023	64 013	0	0	0	0

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
2004	60 835	100%	99%	96%	91%	86%	82%	77%	72%	66%	61%	56%	51%	45%	40%	35%	30%	26%	24%
2005	64 008	100%	98%	94%	90%	86%	81%	76%	71%	66%	60%	55%	50%	45%	39%	34%	30%	27%	
2006	66 932	100%	97%	94%	91%	86%	81%	76%	71%	66%	60%	55%	49%	43%	39%	35%	32%		
2007	68 926	100%	98%	95%	91%	86%	81%	76%	71%	65%	60%	54%	48%	43%	39%	36%			
2008	72 451	100%	98%	94%	90%	85%	80%	75%	69%	64%	57%	51%	46%	42%	39%				
2009	73 691	99%	97%	93%	89%	84%	79%	73%	67%	61%	54%	49%	45%	42%					
2010	78 455	99%	97%	93%	89%	84%	78%	72%	65%	58%	52%	48%	46%						
2011	83 615	99%	97%	93%	88%	82%	77%	70%	62%	57%	52%	49%							
2012	88 832	99%	97%	93%	87%	81%	73%	66%	60%	55%	52%								
2013	92 402	99%	97%	92%	86%	78%	71%	64%	60%	56%									
2014	96 383	99%	97%	91%	84%	76%	69%	64%	60%										
2015	94 423	99%	96%	90%	81%	73%	68%	64%											
2016	92 199	99%	95%	87%	78%	72%	68%												
2017	85 262	98%	93%	85%	77%	73%													
2018	70 363	98%	92%	84%	78%														
2019	49 628	97%	90%	84%															
2020	27 459	96%	90%																
2021	9 505	93%																	
2022	1 675																		
2023																			

n. United Kingdom

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004	127 174	60 952	59 284	-	13 586
2005	135 161	63 268	62 408	-	16 775
2006	140 036	65 879	65 777	-	20 354
2007	140 858	67 894	67 891	-	22 936
2008	141 790	71 958	71 958	-	26 513
2009	137 695	73 403	73 402	-	29 114
2010	143 914	78 169	78 168	-	33 103
2011	149 291	83 349	83 346	-	38 208
2012	153 091	88 482	88 481	-	43 384
2013	157 708	92 002	92 002	-	49 190
2014	162 868	95 971	95 970	-	54 839
2015	162 257	94 077	94 076	-	56 399
2016	165 492	91 852	91 852	-	58 470
2017	170 097	85 004	85 004	-	57 739
2018	173 174	70 101	70 101	-	50 435
2019	177 512	49 419	49 419	-	39 111
2020	181 503	27 370	27 370	-	27 370
2021	175 717	9 474	9 474	-	9 474
2022	107 534	1 669	1 669	-	1 669
2023	64 011	0	0	-	0

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
2004	59 284	100%	100%	96%	91%	86%	81%	76%	71%	66%	60%	55%	50%	44%	39%	34%	30%	26%	23%
2005	62 408	100%	100%	94%	90%	85%	81%	75%	70%	65%	60%	54%	49%	44%	38%	34%	30%	27%	
2006	65 777	100%	100%	93%	89%	85%	79%	74%	69%	64%	59%	54%	48%	42%	38%	34%	31%		
2007	67 891	100%	100%	93%	88%	83%	78%	74%	68%	63%	57%	51%	45%	41%	37%	34%			
2008	71 958	100%	100%	92%	87%	82%	78%	72%	66%	61%	55%	49%	44%	40%	37%				
2009	73 402	100%	100%	91%	86%	81%	76%	70%	64%	58%	52%	47%	43%	40%					
2010	78 168	100%	100%	91%	86%	80%	74%	68%	61%	55%	49%	46%	42%						
2011	83 346	100%	100%	91%	85%	79%	73%	66%	59%	53%	49%	46%							
2012	88 481	100%	100%	90%	84%	77%	70%	63%	57%	52%	49%								
2013	92 002	100%	100%	90%	83%	75%	68%	62%	57%	53%									
2014	95 970	100%	100%	89%	81%	73%	66%	61%	57%										
2015	94 076	100%	100%	86%	77%	70%	64%	60%											
2016	91 852	100%	100%	84%	75%	68%	64%												
2017	85 004	100%	100%	81%	73%	68%													
2018	70 101	100%	100%	79%	72%														
2019	49 419	100%	100%	79%															
2020	27 370	100%	100%																
2021	9 474	100%																	
2022	1 669																		
2023																			

o. Greece

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004	97 503	44 005	31 737	-	901
2005	106 571	46 845	33 509	-	1 067
2006	113 644	50 731	36 409	-	1 234
2007	119 909	55 255	38 922	-	1 204
2008	130 673	64 426	45 578	-	1 392
2009	135 156	71 658	50 189	-	1 500
2010	144 091	78 329	55 787	-	1 700
2011	149 518	83 552	59 575	-	2 002
2012	153 407	88 780	63 175	-	2 142
2013	158 074	92 343	67 135	-	2 467
2014	163 229	96 313	70 573	-	2 982
2015	162 572	94 362	68 690	-	3 512
2016	165 802	92 142	67 405	-	4 173
2017	170 337	85 215	63 447	-	5 311
2018	173 453	70 342	53 888	-	6 875
2019	177 773	49 614	39 323	-	7 253
2020	181 670	27 458	23 369	-	6 359
2021	175 784	9 503	8 472	-	3 201
2022	107 553	1 674	1 674	-	1 012
2023	64 013	0	0	-	0

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
2004	31 737	91%	78%	65%	54%	45%	37%	29%	24%	20%	16%	12%	9%	7%	5%	4%	3%	3%	3%
2005	33 509	92%	77%	66%	55%	45%	37%	30%	24%	20%	15%	12%	8%	6%	5%	4%	3%	3%	
2006	36 409	91%	79%	67%	55%	45%	37%	30%	25%	19%	14%	9%	7%	5%	4%	4%	3%		
2007	38 922	92%	79%	66%	55%	45%	37%	30%	23%	17%	11%	7%	5%	4%	3%	3%			
2008	45 578	93%	80%	66%	54%	45%	37%	28%	20%	13%	8%	5%	4%	3%	3%				
2009	50 189	91%	77%	65%	54%	44%	33%	24%	15%	9%	6%	4%	4%	3%					
2010	55 787	92%	77%	65%	53%	41%	30%	19%	11%	7%	5%	4%	3%						
2011	59 575	93%	79%	66%	51%	38%	25%	15%	9%	6%	4%	3%							
2012	63 175	93%	78%	62%	45%	30%	18%	10%	6%	4%	3%								
2013	67 135	93%	76%	59%	40%	24%	13%	8%	5%	4%									
2014	70 573	92%	74%	52%	32%	18%	11%	7%	4%										
2015	68 690	90%	69%	45%	26%	14%	9%	5%											
2016	67 405	88%	62%	37%	20%	12%	6%												
2017	63 447	85%	56%	33%	18%	8%													
2018	53 888	81%	52%	30%	13%														
2019	39 323	76%	46%	18%															
2020	23 369	71%	27%																
2021	8 472	38%																	
2022	1 674																		
2023																			

p. Croatia

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004					
2005					
2006					
2007					
2008	130 628	64 406	1 908	-	676
2009	135 145	71 651	1 967	-	756
2010	144 090	78 328	1 904	-	889
2011	149 517	83 551	1 694	-	950
2012	153 406	88 780	1 698	-	1 058
2013	158 075	92 343	1 703	-	1 102
2014	163 231	96 315	1 711	-	1 260
2015	162 572	94 362	1 662	-	1 307
2016	165 806	92 142	1 508	-	1 248
2017	170 337	85 215	1 284	-	1 145
2018	173 454	70 343	1 053	-	960
2019	177 773	49 614	825	-	795
2020	181 671	27 458	416	-	412
2021	175 784	9 503	156	-	154
2022	107 553	1 674	18	-	18
2023	64 013	0	0	-	0

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
2004																			
2005																			
2006																			
2007																			
2008	1 908	100%	100%	92%	82%	78%	73%	68%	61%	55%	50%	45%	41%	38%	35%				
2009	1 967	100%	93%	83%	80%	77%	72%	67%	61%	56%	49%	45%	41%	38%					
2010	1 904	96%	90%	88%	85%	81%	76%	70%	64%	58%	53%	50%	47%						
2011	1 694	97%	96%	95%	93%	89%	83%	77%	69%	64%	60%	56%							
2012	1 698	100%	100%	98%	95%	90%	84%	76%	70%	65%	62%								
2013	1 703	100%	100%	98%	95%	90%	81%	75%	70%	65%									
2014	1 711	100%	99%	98%	93%	89%	84%	78%	74%										
2015	1 662	100%	99%	96%	92%	88%	82%	79%											
2016	1 508	100%	99%	97%	93%	88%	83%												
2017	1 284	100%	100%	97%	93%	89%													
2018	1 053	100%	98%	95%	91%														
2019	825	100%	99%	96%															
2020	416	100%	99%																
2021	156	99%																	
2022	18																		
2023																			

q. Hungary

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004	97 565	44 053	22 902	-	1 187
2005	106 660	46 914	19 752	-	1 350
2006	113 825	50 847	15 687	-	1 666
2007	120 188	55 432	10 435	-	1 710
2008	130 788	64 493	5 517	-	2 230
2009	135 179	71 674	4 571	-	2 526
2010	144 088	78 326	4 723	-	2 899
2011	149 520	83 554	5 346	-	3 686
2012	153 409	88 782	5 815	-	4 338
2013	158 076	92 344	6 957	-	5 644
2014	163 230	96 314	8 721	-	7 651
2015	162 573	94 363	10 990	-	10 164
2016	165 807	92 143	14 785	-	14 219
2017	170 337	85 215	21 320	-	20 967
2018	173 455	70 344	28 758	-	28 590
2019	177 773	49 614	30 823	-	30 768
2020	181 671	27 458	23 549	-	23 539
2021	175 783	9 503	9 483	-	9 481
2022	107 553	1 674	1 674	-	1 674
2023	64 013	0	0	-	0

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
2004	22 902	89%	67%	45%	26%	16%	15%	14%	13%	12%	11%	10%	9%	8%	7%	7%	6%	6%	5%
2005	19 752	87%	58%	34%	19%	18%	17%	16%	15%	14%	13%	12%	11%	10%	9%	8%	7%	7%	
2006	15 687	82%	47%	26%	25%	24%	23%	21%	20%	18%	17%	16%	14%	13%	12%	11%	11%		
2007	10 435	74%	40%	39%	38%	36%	33%	31%	29%	27%	25%	22%	20%	19%	17%	16%			
2008	5 517	80%	80%	79%	76%	73%	69%	64%	59%	56%	52%	48%	45%	42%	40%				
2009	4 571	100%	99%	98%	95%	92%	88%	83%	78%	72%	66%	61%	58%	55%					
2010	4 723	100%	100%	98%	95%	91%	87%	82%	76%	71%	67%	64%	61%						
2011	5 346	100%	100%	99%	97%	93%	89%	85%	79%	75%	72%	69%							
2012	5 815	100%	100%	99%	97%	93%	89%	84%	80%	77%	75%								
2013	6 957	100%	100%	99%	97%	94%	89%	86%	83%	81%									
2014	8 721	100%	100%	99%	97%	95%	92%	89%	88%										
2015	10 990	100%	100%	99%	97%	96%	94%	92%											
2016	14 785	100%	100%	99%	98%	97%	96%												
2017	21 320	100%	100%	100%	99%	98%													
2018	28 758	100%	100%	100%	99%														
2019	30 823	100%	100%	100%															
2020	23 549	100%	100%																
2021	9 483	100%																	
2022	1 674																		
2023																			

r. Ireland

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004	97 950	44 253	34 119	-	1 837
2005	106 994	47 087	37 054	-	2 136
2006	114 165	51 027	41 633	-	2 575
2007	120 394	55 567	47 216	-	2 746
2008	130 956	64 616	57 973	-	3 242
2009	135 214	71 697	68 299	-	3 750
2010	144 083	78 322	77 626	-	4 347
2011	149 508	83 542	83 372	-	4 986
2012	153 396	88 769	88 550	-	5 680
2013	158 063	92 332	92 176	-	6 848
2014	163 218	96 302	96 118	-	8 377
2015	162 560	94 351	94 199	-	9 557
2016	165 777	92 119	91 949	-	11 455
2017	170 274	85 158	85 018	-	14 925
2018	173 397	70 288	70 195	-	18 424
2019	177 721	49 570	49 512	-	19 313
2020	181 643	27 440	27 428	-	15 777
2021	175 771	9 498	9 481	-	6 923
2022	107 548	1 674	1 674	-	1 674
2023	64 013	0	0	-	0

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
2004	34 119	99%	92%	82%	72%	63%	54%	45%	37%	31%	26%	22%	17%	14%	11%	8%	7%	6%	5%
2005	37 054	99%	92%	83%	74%	64%	55%	44%	37%	31%	25%	20%	16%	12%	9%	8%	7%	6%	
2006	41 633	99%	93%	84%	75%	64%	52%	43%	36%	29%	23%	17%	13%	10%	8%	7%	6%		
2007	47 216	99%	93%	85%	73%	61%	50%	42%	33%	25%	19%	13%	10%	8%	7%	6%			
2008	57 973	99%	94%	83%	69%	57%	48%	38%	29%	21%	14%	10%	8%	6%	6%				
2009	68 299	99%	90%	76%	64%	53%	42%	32%	23%	15%	10%	8%	6%	5%					
2010	77 626	97%	87%	74%	62%	50%	38%	28%	18%	11%	8%	6%	6%						
2011	83 372	97%	88%	74%	61%	47%	35%	23%	14%	9%	7%	6%							
2012	88 550	97%	88%	73%	57%	41%	27%	16%	11%	8%	6%								
2013	92 176	97%	88%	72%	54%	35%	22%	14%	9%	7%									
2014	96 118	97%	86%	68%	46%	28%	17%	11%	9%										
2015	94 199	96%	84%	61%	38%	23%	14%	10%											
2016	91 949	95%	79%	54%	32%	18%	12%												
2017	85 018	93%	74%	47%	27%	18%													
2018	70 195	91%	69%	42%	26%														
2019	49 512	87%	63%	39%															
2020	27 428	84%	58%																
2021	9 481	73%																	
2022	1 674																		
2023																			

s. Iceland

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004	18 284	8 280	3 051	-	97
2005	106 475	46 790	35 140	-	647
2006	113 588	50 699	38 276	-	753
2007	119 864	55 229	40 894	-	695
2008	130 642	64 405	47 741	-	772
2009	135 146	71 652	52 915	-	993
2010	144 086	78 324	58 873	-	975
2011	149 517	83 551	62 803	-	1 207
2012	153 407	88 780	66 630	-	1 370
2013	158 075	92 343	70 878	-	1 548
2014	163 227	96 311	75 393	-	2 109
2015	162 570	94 360	74 283	-	2 638
2016	165 806	92 142	73 004	-	3 561
2017	170 337	85 215	68 276	-	5 121
2018	173 454	70 343	57 716	-	7 278
2019	177 772	49 613	41 813	-	8 338
2020	181 671	27 458	24 508	-	7 581
2021	175 784	9 503	8 779	-	3 939
2022	107 553	1 674	1 674	-	1 199
2023	64 013	0	0	-	0

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
2004	3 051	97%	84%	69%	57%	47%	37%	29%	23%	19%	15%	12%	9%	6%	4%	4%	3%	3%	3%
2005	35 140	92%	76%	64%	52%	42%	33%	26%	21%	17%	13%	9%	6%	3%	3%	2%	2%	2%	
2006	38 276	91%	78%	64%	52%	42%	34%	27%	22%	16%	11%	7%	4%	3%	2%	2%	2%		
2007	40 894	92%	78%	65%	53%	43%	35%	28%	21%	14%	8%	5%	3%	2%	2%	2%			
2008	47 741	93%	79%	66%	53%	43%	35%	26%	18%	11%	6%	4%	2%	2%	2%				
2009	52 915	92%	78%	64%	53%	42%	32%	23%	14%	7%	4%	3%	2%	2%					
2010	58 873	93%	77%	64%	52%	41%	29%	18%	10%	5%	3%	2%	2%						
2011	62 803	93%	79%	65%	52%	38%	24%	14%	7%	4%	3%	2%							
2012	66 630	93%	78%	63%	46%	30%	17%	9%	5%	3%	2%								
2013	70 878	94%	78%	60%	40%	24%	13%	6%	4%	2%									
2014	75 393	93%	75%	53%	32%	17%	9%	5%	3%										
2015	74 283	90%	70%	45%	25%	13%	7%	4%											
2016	73 004	88%	63%	38%	19%	10%	5%												
2017	68 276	86%	57%	32%	16%	8%													
2018	57 716	81%	51%	28%	13%														
2019	41 813	76%	45%	20%															
2020	24 508	71%	31%																
2021	8 779	45%																	
2022	1 674																		
2023																			

t. Italy

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004	111 560	52 843	30 703	0	7 887
2005	119 614	55 141	29 815	0	9 212
2006	125 369	58 332	29 422	0	11 252
2007	128 932	61 441	29 414	22	12 819
2008	135 325	67 921	29 888	44	14 574
2009	136 258	72 554	28 924	76	15 633
2010	144 164	78 399	29 315	109	17 384
2011	149 554	83 587	29 892	147	19 614
2012	153 442	88 814	30 966	194	21 606
2013	158 114	92 385	31 274	305	23 451
2014	163 256	96 340	33 173	499	26 554
2015	162 597	94 387	31 914	785	27 225
2016	165 830	92 169	31 505	1 243	28 261
2017	170 368	85 246	30 092	1 979	28 194
2018	173 470	70 359	27 433	3 019	26 673
2019	177 783	49 624	21 582	3 829	21 407
2020	181 671	27 459	14 839	3 817	14 775
2021	175 784	9 503	5 880	1 810	5 855
2022	107 553	1 674	1 338	408	1 338
2023	64 013	0	0	0	0

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
2004	30 703	100%	99%	94%	90%	86%	82%	77%	72%	67%	61%	56%	50%	46%	40%	34%	31%	27%	26%
2005	29 815	100%	97%	95%	92%	89%	84%	79%	74%	69%	63%	58%	53%	47%	41%	36%	33%	31%	
2006	29 422	100%	100%	98%	96%	92%	87%	83%	77%	72%	66%	61%	55%	48%	44%	40%	38%		
2007	29 414	100%	100%	98%	96%	92%	88%	83%	78%	73%	67%	61%	54%	49%	45%	44%			
2008	29 888	100%	100%	99%	96%	92%	88%	83%	78%	73%	68%	60%	55%	51%	49%				
2009	28 924	100%	100%	98%	96%	93%	89%	84%	79%	73%	65%	60%	56%	54%					
2010	29 315	100%	100%	99%	96%	93%	89%	85%	79%	71%	66%	61%	59%						
2011	29 892	100%	100%	99%	96%	93%	90%	85%	77%	72%	68%	66%							
2012	30 966	100%	100%	99%	96%	93%	89%	82%	77%	72%	70%								
2013	31 274	100%	100%	99%	96%	93%	87%	82%	77%	75%									
2014	33 173	100%	100%	99%	96%	91%	87%	82%	80%										
2015	31 914	100%	100%	98%	95%	91%	87%	85%											
2016	31 505	100%	100%	97%	95%	91%	90%												
2017	30 092	100%	100%	98%	95%	94%													
2018	27 433	100%	100%	98%	97%														
2019	21 582	100%	100%	99%															
2020	14 839	100%	100%																
2021	5 880	100%																	
2022	1 338																		
2023																			

u. Lithuania

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004	9 758	4 447	173	0	34
2005	106 479	46 790	1 736	0	542
2006	113 594	50 705	1 797	0	625
2007	119 869	55 230	1 552	22	563
2008	130 649	64 408	1 604	44	672
2009	135 147	71 652	1 597	76	807
2010	144 086	78 324	1 663	109	906
2011	149 517	83 551	1 672	147	1 041
2012	153 407	88 780	1 664	194	1 097
2013	158 075	92 343	1 839	305	1 286
2014	163 229	96 313	1 980	499	1 573
2015	162 570	94 360	2 203	785	1 856
2016	165 799	92 140	2 506	1 243	2 273
2017	170 338	85 216	3 037	1 979	2 894
2018	173 454	70 343	3 828	3 019	3 741
2019	177 774	49 615	4 344	3 829	4 321
2020	181 671	27 458	4 061	3 817	4 054
2021	175 784	9 503	1 873	1 810	1 872
2022	107 553	1 674	419	408	419
2023	64 013	0	0	0	0

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
2004	173	100%	99%	97%	92%	90%	83%	74%	65%	60%	56%	52%	44%	38%	34%	27%	24%	20%	20%
2005	1 736	100%	99%	97%	93%	88%	82%	76%	71%	65%	60%	55%	50%	46%	41%	38%	34%	31%	
2006	1 797	100%	99%	98%	94%	89%	85%	79%	72%	67%	61%	56%	50%	46%	42%	38%	35%		
2007	1 552	100%	99%	97%	94%	89%	83%	79%	72%	66%	60%	54%	48%	44%	40%	36%			
2008	1 604	100%	100%	98%	95%	90%	84%	78%	72%	66%	60%	54%	50%	47%	42%				
2009	1 597	100%	100%	98%	97%	93%	87%	82%	76%	70%	64%	59%	55%	51%					
2010	1 663	100%	100%	98%	95%	91%	86%	81%	74%	67%	63%	59%	54%						
2011	1 672	100%	100%	99%	97%	94%	88%	83%	75%	71%	68%	62%							
2012	1 664	100%	100%	99%	97%	94%	86%	79%	74%	70%	66%								
2013	1 839	100%	100%	99%	97%	91%	84%	79%	75%	70%									
2014	1 980	100%	100%	98%	95%	91%	88%	84%	79%										
2015	2 203	100%	100%	98%	94%	92%	88%	84%											
2016	2 506	100%	100%	99%	97%	94%	91%												
2017	3 037	100%	100%	99%	98%	95%													
2018	3 828	100%	100%	99%	98%														
2019	4 344	100%	100%	99%															
2020	4 061	100%	100%																
2021	1 873	100%																	
2022	419																		
2023																			

v. Luxembourg

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004	97 472	43 971	43 894	0	791
2005	106 553	46 824	46 722	0	852
2006	113 643	50 737	50 642	0	978
2007	119 906	55 256	55 134	22	1 004
2008	130 667	64 422	64 285	44	1 255
2009	135 152	71 654	71 510	76	1 548
2010	144 094	78 333	78 194	109	1 696
2011	149 520	83 554	83 375	147	2 129
2012	153 405	88 778	88 553	194	2 554
2013	158 075	92 344	92 173	305	3 176
2014	163 226	96 310	96 115	499	4 282
2015	162 575	94 365	94 202	785	5 604
2016	165 805	92 141	91 950	1 243	7 656
2017	170 335	85 215	85 074	1 979	11 230
2018	173 448	70 338	70 247	3 019	15 504
2019	177 767	49 609	49 554	3 829	17 352
2020	181 670	27 458	27 445	3 817	14 891
2021	175 784	9 503	9 488	1 810	6 719
2022	107 552	1 674	1 674	408	1 674
2023	64 013	0	0	0	0

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
2004	43 894	98%	86%	72%	59%	49%	39%	31%	24%	20%	16%	12%	9%	7%	4%	3%	2%	2%	2%
2005	46 722	98%	86%	72%	60%	49%	40%	31%	25%	20%	16%	12%	8%	5%	4%	3%	2%	2%	
2006	50 642	98%	86%	73%	61%	49%	39%	32%	26%	20%	15%	10%	6%	4%	3%	2%	2%		
2007	55 134	98%	87%	73%	60%	49%	40%	32%	25%	18%	12%	7%	4%	3%	2%	2%			
2008	64 285	98%	87%	74%	60%	49%	41%	31%	23%	15%	9%	5%	3%	2%	2%				
2009	71 510	97%	86%	72%	60%	49%	38%	28%	19%	11%	6%	4%	3%	2%					
2010	78 194	97%	86%	72%	60%	47%	35%	24%	14%	8%	4%	3%	2%						
2011	83 375	97%	87%	73%	59%	45%	32%	19%	10%	6%	4%	3%							
2012	88 553	97%	88%	72%	55%	39%	23%	13%	7%	4%	3%								
2013	92 173	97%	88%	70%	51%	32%	18%	10%	5%	3%									
2014	96 115	97%	86%	66%	43%	25%	13%	7%	4%										
2015	94 202	95%	83%	59%	36%	19%	10%	6%											
2016	91 950	95%	79%	52%	29%	15%	8%												
2017	85 074	93%	74%	45%	24%	13%													
2018	70 247	90%	69%	40%	22%														
2019	49 554	87%	62%	35%															
2020	27 445	84%	54%																
2021	9 488	71%																	
2022	1 674																		
2023																			

w. Latvia

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004					
2005	54 221	23 937	759	0	217
2006	113 585	50 699	1 742	0	559
2007	119 859	55 225	1 511	22	523
2008	130 647	64 406	1 499	44	605
2009	135 146	71 651	1 564	76	738
2010	144 085	78 323	1 551	109	817
2011	149 517	83 551	1 542	147	950
2012	153 408	88 781	1 529	194	988
2013	158 075	92 343	1 683	305	1 172
2014	163 229	96 313	1 770	499	1 409
2015	162 571	94 361	2 005	785	1 724
2016	165 802	92 142	2 332	1 243	2 127
2017	170 337	85 215	2 877	1 979	2 760
2018	173 454	70 343	3 655	3 019	3 586
2019	177 774	49 615	4 249	3 829	4 228
2020	181 671	27 458	4 015	3 817	4 009
2021	175 784	9 503	1 867	1 810	1 866
2022	107 553	1 674	418	408	418
2023	64 013	0	0	0	0

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
2004																			
2005	759	100%	99%	97%	94%	89%	82%	77%	70%	64%	58%	51%	46%	41%	37%	33%	30%	29%	
2006	1 742	100%	99%	98%	94%	89%	85%	79%	72%	64%	58%	53%	46%	42%	39%	34%	32%		
2007	1 511	100%	100%	97%	93%	89%	82%	77%	69%	62%	56%	50%	45%	41%	37%	35%			
2008	1 499	100%	99%	98%	94%	89%	83%	77%	69%	63%	58%	51%	46%	43%	40%				
2009	1 564	100%	100%	98%	96%	92%	85%	79%	72%	67%	60%	54%	50%	47%					
2010	1 551	100%	100%	98%	94%	89%	84%	79%	71%	64%	60%	56%	53%						
2011	1 542	100%	100%	98%	96%	92%	86%	81%	73%	69%	66%	62%							
2012	1 529	100%	100%	99%	97%	93%	85%	77%	72%	67%	65%								
2013	1 683	100%	100%	98%	96%	91%	83%	78%	73%	70%									
2014	1 770	100%	99%	97%	94%	90%	87%	83%	80%										
2015	2 005	100%	100%	98%	94%	91%	88%	86%											
2016	2 332	100%	100%	98%	97%	94%	91%												
2017	2 877	100%	100%	99%	98%	96%													
2018	3 655	100%	100%	99%	98%														
2019	4 249	100%	100%	100%															
2020	4 015	100%	100%																
2021	1 867	100%																	
2022	418																		
2023																			

x. Monaco

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004	97 392	43 930	33 068	-	458
2005	106 485	46 784	31 257	-	496
2006	113 582	50 692	29 098	-	577
2007	119 861	55 222	25 371	-	523
2008	130 645	64 404	21 119	-	612
2009	135 142	71 646	14 121	-	803
2010	144 084	78 322	6 271	-	920
2011	149 516	83 550	2 588	-	1 212
2012	153 404	88 777	2 018	-	1 410
2013	158 072	92 341	2 422	-	1 863
2014	163 222	96 306	3 346	-	2 858
2015	162 573	94 363	4 296	-	3 902
2016	165 800	92 140	5 867	-	5 566
2017	170 329	85 209	8 900	-	8 720
2018	173 448	70 338	12 757	-	12 635
2019	177 764	49 606	14 643	-	14 611
2020	181 668	27 456	13 199	-	13 190
2021	175 784	9 503	6 134	-	6 134
2022	107 552	1 674	1 636	-	1 636
2023	64 013	0	0	-	0

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
2004	33 068	97%	80%	61%	44%	30%	17%	6%	4%	3%	3%	3%	3%	2%	2%	2%	2%	2%	1%
2005	31 257	96%	78%	57%	39%	22%	7%	4%	4%	3%	3%	3%	3%	2%	2%	2%	2%	2%	
2006	29 098	96%	75%	52%	30%	9%	5%	5%	4%	4%	4%	3%	3%	3%	2%	2%	2%		
2007	25 371	95%	70%	40%	11%	5%	5%	5%	4%	4%	3%	3%	3%	2%	2%	2%			
2008	21 119	94%	60%	17%	7%	7%	6%	6%	5%	5%	4%	4%	3%	3%	3%				
2009	14 121	86%	27%	12%	11%	11%	10%	10%	9%	8%	7%	7%	6%	6%					
2010	6 271	58%	27%	27%	26%	24%	23%	21%	19%	18%	17%	16%	15%						
2011	2 588	74%	74%	73%	71%	69%	64%	61%	56%	53%	51%	47%							
2012	2 018	100%	99%	99%	96%	93%	88%	81%	77%	73%	70%								
2013	2 422	100%	100%	99%	96%	93%	88%	85%	81%	77%									
2014	3 346	100%	100%	99%	96%	94%	91%	88%	85%										
2015	4 296	100%	100%	99%	97%	95%	93%	91%											
2016	5 867	100%	100%	99%	98%	97%	95%												
2017	8 900	100%	100%	100%	99%	98%													
2018	12 757	100%	100%	100%	99%														
2019	14 643	100%	100%	100%															
2020	13 199	100%	100%																
2021	6 134	100%																	
2022	1 636																		
2023																			

y. Montenegro

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004					
2005					
2006					
2007					
2008					
2009					
2010					
2011					
2012					
2013					
2014					
2015					
2016					
2017					
2018					
2019					
2020					
2021					
2022	18 585	32	32	-	32
2023	64 013	0	0	-	0

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
2004																			
2005																			
2006																			
2007																			
2008																			
2009																			
2010																			
2011																			
2012																			
2013																			
2014																			
2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
2022	32																		
2023																			

z. North Macedonia

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004					
2005					
2006					
2007					
2008					
2009	135 138	71 647	1 801	-	1 680
2010	144 083	78 322	1 920	-	1 830
2011	149 517	83 551	2 437	-	2 412
2012	153 406	88 780	2 886	-	2 881
2013	158 075	92 343	3 947	-	3 944
2014	163 227	96 311	5 788	-	5 787
2015	162 569	94 359	8 142	-	8 142
2016	165 806	92 142	12 237	-	12 237
2017	170 337	85 215	19 392	-	19 392
2018	173 454	70 343	27 409	-	27 408
2019	177 773	49 614	30 274	-	30 274
2020	181 671	27 458	22 887	-	22 887
2021	175 784	9 503	9 503	-	9 503
2022	107 553	1 674	1 674	-	1 674
2023	64 013	0	0	-	0

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
2004																			
2005																			
2006																			
2007																			
2008																			
2009	1 801	100%	100%	99%	98%	97%	93%	93%	93%	93%	93%	93%	93%	93%					
2010	1 920	100%	100%	99%	98%	95%	95%	95%	95%	95%	95%	95%	95%						
2011	2 437	100%	100%	100%	99%	99%	99%	99%	99%	99%	99%	99%	99%						
2012	2 886	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%								
2013	3 947	100%	100%	100%	100%	100%	100%	100%	100%	100%									
2014	5 788	100%	100%	100%	100%	100%	100%	100%	100%										
2015	8 142	100%	100%	100%	100%	100%	100%	100%											
2016	12 237	100%	100%	100%	100%	100%	100%												
2017	19 392	100%	100%	100%	100%	100%													
2018	27 409	100%	100%	100%	100%														
2019	30 274	100%	100%	100%															
2020	22 887	100%	100%																
2021	9 503	100%																	
2022	1 674																		
2023																			

aa. Malta

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004					
2005					
2006					
2007	102 413	47 330	10 043	22	1 801
2008	130 640	64 402	16 605	44	2 373
2009	135 145	71 651	22 111	76	3 333
2010	144 086	78 325	28 777	109	4 923
2011	149 518	83 552	36 806	147	7 525
2012	153 407	88 780	46 286	194	10 192
2013	158 073	92 341	50 391	305	15 373
2014	163 226	96 310	50 148	499	22 602
2015	162 572	94 362	46 808	785	32 532
2016	165 801	92 141	52 302	1 243	46 787
2017	170 333	85 211	63 201	1 979	62 194
2018	173 448	70 338	63 393	3 019	63 390
2019	177 766	49 608	49 607	3 829	49 605
2020	181 669	27 456	27 456	3 817	27 455
2021	175 785	9 504	9 504	1 810	9 504
2022	107 552	1 674	1 674	408	1 674
2023	64 013	0	0	0	0

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
2004																			
2005																			
2006																			
2007	10 043	100%	100%	100%	99%	99%	98%	98%	69%	43%	21%	19%	18%	18%	18%	18%			
2008	16 605	100%	100%	100%	100%	99%	99%	71%	44%	20%	15%	14%	14%	14%	14%				
2009	22 111	100%	100%	100%	100%	99%	71%	44%	20%	15%	15%	15%	15%	15%					
2010	28 777	100%	100%	100%	100%	74%	48%	23%	17%	17%	17%	17%	17%						
2011	36 806	100%	100%	100%	76%	51%	26%	21%	21%	20%	20%	20%	20%						
2012	46 286	100%	100%	79%	53%	28%	22%	22%	22%	22%	22%								
2013	50 391	100%	89%	67%	38%	31%	31%	31%	31%	31%									
2014	50 148	96%	83%	55%	45%	45%	45%	45%	45%										
2015	46 808	94%	78%	70%	70%	70%	70%	70%											
2016	52 302	94%	90%	89%	89%	89%	89%												
2017	63 201	98%	98%	98%	98%	98%													
2018	63 393	100%	100%	100%	100%														
2019	49 607	100%	100%	100%															
2020	27 456	100%	100%																
2021	9 504	100%																	
2022	1 674																		
2023																			

bb. Netherlands

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004	102 383	46 603	15 844	0	4 212
2005	110 930	49 152	16 044	0	5 064
2006	118 009	53 068	16 740	0	6 247
2007	123 048	56 989	16 877	22	7 039
2008	132 443	65 481	18 059	44	8 724
2009	135 546	71 909	18 211	76	9 599
2010	144 124	78 363	19 055	109	10 992
2011	149 554	83 588	19 698	147	12 457
2012	153 441	88 813	20 411	194	13 661
2013	158 096	92 366	21 463	305	15 404
2014	163 248	96 332	21 912	499	16 690
2015	162 589	94 379	21 403	785	17 350
2016	165 821	92 161	21 294	1 243	17 868
2017	170 353	85 232	19 956	1 979	17 493
2018	173 458	70 347	17 057	3 019	15 800
2019	177 779	49 620	12 480	3 829	12 028
2020	181 672	27 460	8 248	3 817	8 202
2021	175 785	9 504	3 062	1 810	3 062
2022	107 553	1 674	561	408	561
2023	64 013	0	0	0	0

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
2004	15 844	100%	100%	98%	94%	90%	86%	81%	76%	70%	64%	59%	54%	50%	44%	38%	34%	30%	27%
2005	16 044	100%	100%	98%	95%	91%	87%	83%	77%	71%	66%	61%	55%	50%	44%	39%	35%	32%	
2006	16 740	100%	99%	98%	95%	92%	88%	83%	77%	72%	67%	62%	56%	50%	45%	41%	37%		
2007	16 877	100%	100%	98%	96%	92%	88%	83%	78%	73%	68%	62%	55%	50%	45%	42%			
2008	18 059	100%	100%	99%	96%	93%	89%	84%	79%	74%	69%	62%	57%	52%	48%				
2009	18 211	100%	100%	99%	96%	93%	89%	84%	80%	74%	67%	61%	56%	53%					
2010	19 055	100%	100%	99%	97%	94%	90%	85%	79%	72%	66%	62%	58%						
2011	19 698	100%	100%	99%	97%	94%	90%	85%	78%	72%	67%	63%							
2012	20 411	100%	100%	99%	97%	93%	89%	82%	76%	71%	67%								
2013	21 463	100%	100%	99%	97%	93%	87%	81%	76%	72%									
2014	21 912	100%	100%	99%	96%	91%	86%	81%	76%										
2015	21 403	100%	100%	98%	94%	90%	85%	81%											
2016	21 294	100%	100%	95%	92%	88%	84%												
2017	19 956	100%	95%	93%	91%	88%													
2018	17 057	98%	97%	95%	93%														
2019	12 480	99%	98%	96%															
2020	8 248	100%	99%																
2021	3 062	100%																	
2022	561																		
2023																			

cc. Norway

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004					
2005					
2006					
2007					
2008	130 730	64 474	46 372	-	2 173
2009	135 177	71 681	51 066	-	2 554
2010	144 096	78 333	56 660	-	2 898
2011	149 525	83 559	60 578	-	3 522
2012	153 410	88 783	64 282	-	3 991
2013	158 076	92 344	68 175	-	4 408
2014	163 229	96 313	71 641	-	5 188
2015	162 576	94 366	69 637	-	5 792
2016	165 812	92 148	68 440	-	6 419
2017	170 343	85 221	64 355	-	7 365
2018	173 453	70 342	54 468	-	8 315
2019	177 773	49 614	39 579	-	8 189
2020	181 671	27 458	23 403	-	6 864
2021	175 784	9 503	8 486	-	3 347
2022	107 553	1 674	1 674	-	1 023
2023	64 013	0	0	-	0

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
2004																			
2005																			
2006																			
2007																			
2008	46 372	93%	80%	67%	56%	47%	39%	30%	22%	15%	10%	7%	6%	5%	5%				
2009	51 066	91%	78%	66%	55%	46%	35%	26%	17%	12%	8%	7%	6%	5%					
2010	56 660	92%	78%	66%	55%	43%	32%	21%	14%	9%	7%	6%	5%						
2011	60 578	93%	79%	67%	53%	40%	28%	18%	12%	9%	7%	6%							
2012	64 282	93%	79%	63%	48%	33%	21%	13%	9%	7%	6%								
2013	68 175	94%	77%	60%	42%	27%	17%	11%	8%	6%									
2014	71 641	92%	75%	54%	35%	21%	14%	10%	7%										
2015	69 637	90%	70%	47%	29%	17%	12%	8%											
2016	68 440	88%	64%	40%	23%	15%	9%												
2017	64 355	86%	58%	35%	21%	11%													
2018	54 468	81%	53%	32%	15%														
2019	39 579	76%	47%	21%															
2020	23 403	71%	29%																
2021	8 486	39%																	
2022	1 674																		
2023																			

dd. Poland

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004	84 587	38 143	6 517	-	1 992
2005	106 897	47 088	7 811	-	2 816
2006	114 054	51 029	8 341	-	3 453
2007	120 316	55 558	8 423	-	3 676
2008	130 903	64 578	8 957	-	4 544
2009	135 223	71 715	9 215	-	4 916
2010	144 104	78 342	9 550	-	5 674
2011	149 524	83 561	9 856	-	6 346
2012	153 417	88 790	9 787	-	6 711
2013	158 080	92 350	9 978	-	7 343
2014	163 234	96 318	10 194	-	8 109
2015	162 579	94 369	10 240	-	8 761
2016	165 806	92 142	10 062	-	9 101
2017	170 343	85 222	9 520	-	9 005
2018	173 455	70 344	8 662	-	8 478
2019	177 777	49 618	6 763	-	6 720
2020	181 672	27 459	4 747	-	4 740
2021	175 784	9 503	1 882	-	1 882
2022	107 553	1 674	483	-	483
2023	64 013	0	0	-	0

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
2004	6 517	100%	100%	98%	93%	89%	84%	79%	74%	68%	63%	58%	54%	49%	44%	38%	34%	31%	31%
2005	7 811	100%	100%	98%	94%	91%	86%	82%	76%	71%	66%	60%	55%	50%	44%	40%	36%	36%	
2006	8 341	100%	100%	98%	95%	91%	87%	82%	76%	71%	66%	61%	55%	50%	45%	42%	41%		
2007	8 423	100%	100%	98%	95%	92%	86%	81%	76%	71%	65%	59%	53%	48%	44%	44%			
2008	8 957	100%	100%	98%	96%	92%	88%	83%	78%	72%	66%	60%	55%	51%	51%				
2009	9 215	100%	100%	98%	96%	92%	88%	83%	77%	71%	63%	57%	54%	53%					
2010	9 550	100%	100%	98%	96%	92%	88%	82%	76%	69%	63%	59%	59%						
2011	9 856	100%	100%	99%	96%	93%	88%	82%	75%	69%	64%	64%							
2012	9 787	100%	100%	99%	96%	92%	87%	80%	74%	69%	69%								
2013	9 978	100%	100%	98%	96%	91%	85%	79%	74%	74%									
2014	10 194	100%	100%	98%	95%	89%	84%	80%	80%										
2015	10 240	100%	100%	98%	94%	90%	86%	86%											
2016	10 062	100%	100%	97%	94%	91%	90%												
2017	9 520	100%	99%	98%	95%	95%													
2018	8 662	100%	99%	98%	98%														
2019	6 763	100%	99%	99%															
2020	4 747	100%	100%																
2021	1 882	100%																	
2022	483																		
2023																			

ee. Portugal

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004	97 578	44 057	34 062	0	1 201
2005	106 642	46 900	35 480	0	1 314
2006	113 688	50 767	38 089	0	1 581
2007	119 935	55 278	39 863	22	1 577
2008	130 706	64 444	44 896	44	1 959
2009	135 167	71 669	49 727	76	2 195
2010	144 095	78 333	53 636	109	2 417
2011	149 522	83 556	55 874	147	2 834
2012	153 409	88 781	56 890	194	3 143
2013	158 082	92 351	58 781	305	3 571
2014	163 233	96 317	61 749	499	4 480
2015	162 572	94 362	66 449	785	5 340
2016	165 806	92 142	70 913	1 243	6 522
2017	170 338	85 216	69 285	1 979	8 558
2018	173 455	70 344	58 681	3 019	11 146
2019	177 774	49 615	42 506	3 829	12 115
2020	181 670	27 458	24 853	3 817	10 495
2021	175 784	9 503	8 880	1 810	5 020
2022	107 553	1 674	1 674	408	1 327
2023	64 013	0	0	0	0

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
2004	34 062	92%	79%	65%	53%	44%	35%	28%	22%	18%	15%	11%	10%	8%	6%	5%	4%	4%	4%
2005	35 480	93%	78%	65%	54%	44%	35%	28%	23%	18%	13%	12%	9%	7%	5%	5%	4%	4%	
2006	38 089	92%	79%	66%	54%	43%	34%	28%	22%	16%	14%	11%	8%	6%	5%	4%	4%		
2007	39 863	92%	79%	65%	53%	43%	34%	27%	19%	17%	13%	9%	6%	5%	4%	4%			
2008	44 896	96%	81%	66%	53%	43%	34%	24%	22%	16%	10%	7%	6%	5%	4%				
2009	49 727	92%	76%	62%	51%	40%	28%	26%	18%	12%	8%	6%	5%	4%					
2010	53 636	92%	75%	62%	49%	35%	32%	23%	14%	9%	6%	5%	5%						
2011	55 874	92%	77%	63%	46%	42%	31%	19%	11%	8%	6%	5%							
2012	56 890	92%	76%	56%	52%	39%	24%	14%	9%	7%	6%								
2013	58 781	93%	73%	69%	52%	32%	19%	11%	8%	6%									
2014	61 749	91%	87%	67%	43%	25%	15%	10%	7%										
2015	66 449	97%	80%	54%	31%	18%	11%	8%											
2016	70 913	92%	68%	41%	23%	13%	9%												
2017	69 285	87%	58%	34%	19%	12%													
2018	58 681	82%	53%	31%	19%														
2019	42 506	77%	48%	29%															
2020	24 853	72%	42%																
2021	8 880	57%																	
2022	1 674																		
2023																			

ff. Romania

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004	97 421	43 962	2 959	-	794
2005	106 505	46 800	2 855	-	876
2006	113 617	50 719	3 098	-	1 147
2007	119 894	55 249	2 853	-	1 095
2008	130 687	64 436	2 988	-	1 390
2009	135 152	71 656	2 930	-	1 473
2010	144 088	78 325	2 955	-	1 608
2011	149 518	83 552	3 173	-	1 923
2012	153 407	88 780	3 266	-	2 164
2013	158 076	92 344	3 333	-	2 334
2014	163 227	96 311	3 586	-	2 762
2015	162 572	94 362	4 090	-	3 444
2016	165 806	92 142	4 616	-	4 163
2017	170 340	85 218	5 369	-	5 132
2018	173 454	70 343	6 764	-	6 649
2019	177 774	49 615	7 121	-	7 096
2020	181 670	27 457	6 374	-	6 370
2021	175 784	9 503	3 202	-	3 202
2022	107 553	1 674	1 013	-	1 013
2023	64 013	0	0	-	0

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
2004	2 959	100%	100%	98%	93%	88%	83%	77%	71%	65%	59%	55%	50%	45%	40%	36%	33%	29%	27%
2005	2 855	100%	100%	97%	93%	89%	83%	77%	71%	66%	61%	56%	52%	47%	42%	37%	34%	31%	
2006	3 098	100%	100%	98%	95%	90%	86%	80%	75%	69%	63%	59%	54%	49%	43%	40%	37%		
2007	2 853	100%	100%	98%	95%	91%	86%	80%	75%	69%	63%	57%	51%	46%	41%	38%			
2008	2 988	100%	100%	99%	96%	92%	86%	81%	75%	69%	64%	59%	54%	50%	47%				
2009	2 930	100%	100%	99%	96%	93%	88%	82%	76%	70%	64%	58%	54%	50%					
2010	2 955	100%	100%	98%	96%	92%	87%	81%	75%	68%	63%	59%	54%						
2011	3 173	100%	100%	99%	97%	93%	88%	83%	75%	69%	64%	61%							
2012	3 266	100%	100%	99%	97%	94%	89%	82%	75%	70%	66%								
2013	3 333	100%	100%	99%	96%	93%	86%	80%	74%	70%									
2014	3 586	100%	100%	99%	96%	91%	86%	81%	77%										
2015	4 090	100%	100%	99%	96%	92%	88%	84%											
2016	4 616	100%	100%	99%	96%	93%	90%												
2017	5 369	100%	100%	99%	97%	96%													
2018	6 764	100%	100%	99%	98%														
2019	7 121	100%	100%	100%															
2020	6 374	100%	100%																
2021	3 202	100%																	
2022	1 013																		
2023																			

gg. Serbia

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004					
2005					
2006					
2007					
2008					
2009					
2010	39 450	21 554	702	-	213
2011	149 512	83 548	1 935	-	767
2012	153 407	88 781	1 468	-	764
2013	158 074	92 343	1 289	-	800
2014	163 227	96 311	1 285	-	897
2015	162 571	94 361	1 300	-	1 009
2016	165 806	92 142	1 101	-	898
2017	170 337	85 215	983	-	881
2018	173 453	70 342	789	-	716
2019	177 772	49 613	511	-	495
2020	181 671	27 458	321	-	316
2021	175 784	9 503	113	-	112
2022	107 553	1 674	12	-	12
2023	64 013	0	0	-	0

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
2004																			
2005																			
2006																			
2007																			
2008																			
2009																			
2010	702																		
2011	1 935	86%	69%	68%	66%	64%	59%	55%	49%	45%	43%	40%							
2012	1 468	88%	87%	86%	83%	80%	73%	65%	59%	55%	52%								
2013	1 289	99%	99%	98%	94%	88%	78%	72%	66%	62%									
2014	1 285	100%	100%	98%	92%	86%	80%	74%	70%										
2015	1 300	100%	99%	97%	92%	88%	82%	78%											
2016	1 101	100%	99%	97%	93%	87%	82%												
2017	983	100%	100%	97%	94%	90%													
2018	789	100%	99%	96%	91%														
2019	511	100%	99%	97%															
2020	321	100%	98%																
2021	113	99%																	
2022	12																		
2023																			

hh. Sweden

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004	100 074	45 764	21 017	0	2 687
2005	108 930	48 442	18 178	0	3 325
2006	115 732	52 157	14 677	0	3 851
2007	121 325	56 247	11 191	22	4 213
2008	131 363	64 963	10 967	44	5 143
2009	135 324	71 789	10 901	76	5 620
2010	144 110	78 349	10 879	109	6 154
2011	149 536	83 570	11 291	147	6 883
2012	153 411	88 783	11 395	194	7 543
2013	158 085	92 355	11 714	305	8 310
2014	163 236	96 320	12 070	499	9 248
2015	162 580	94 370	11 934	785	9 800
2016	165 819	92 155	11 534	1 243	10 031
2017	170 347	85 225	11 260	1 979	10 433
2018	173 460	70 349	10 346	3 019	9 925
2019	177 775	49 616	8 560	3 829	8 415
2020	181 671	27 459	6 281	3 817	6 251
2021	175 784	9 503	2 495	1 810	2 495
2022	107 553	1 674	487	408	487
2023	64 013	0	0	0	0

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
2004	21 017	89%	72%	54%	47%	45%	42%	40%	36%	34%	31%	28%	25%	23%	21%	18%	16%	14%	13%
2005	18 178	87%	65%	58%	56%	54%	51%	47%	44%	40%	37%	34%	31%	27%	24%	22%	20%	18%	
2006	14 677	81%	73%	71%	69%	66%	63%	59%	55%	50%	46%	43%	39%	34%	31%	28%	26%		
2007	11 191	92%	92%	91%	88%	84%	80%	75%	70%	64%	60%	54%	49%	44%	40%	38%			
2008	10 967	100%	99%	98%	95%	91%	86%	81%	76%	71%	65%	59%	54%	50%	47%				
2009	10 901	100%	100%	98%	96%	92%	88%	83%	78%	72%	65%	59%	55%	52%					
2010	10 879	100%	100%	98%	96%	93%	88%	83%	78%	70%	64%	60%	57%						
2011	11 291	100%	100%	99%	96%	93%	88%	83%	75%	69%	65%	61%							
2012	11 395	100%	100%	99%	96%	93%	88%	80%	75%	70%	66%								
2013	11 714	100%	100%	99%	96%	92%	85%	79%	75%	71%									
2014	12 070	100%	100%	99%	95%	90%	85%	80%	77%										
2015	11 934	100%	100%	98%	94%	90%	86%	82%											
2016	11 534	100%	99%	98%	94%	90%	87%												
2017	11 260	100%	99%	98%	95%	93%													
2018	10 346	100%	99%	98%	96%														
2019	8 560	100%	99%	98%															
2020	6 281	100%	100%																
2021	2 495	100%																	
2022	487																		
2023																			

ii. Slovenia

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004	97 409	43 956	2 521	0	652
2005	106 509	46 804	2 333	0	712
2006	113 623	50 720	2 491	0	880
2007	119 881	55 235	2 293	22	881
2008	130 668	64 412	2 346	44	1 084
2009	135 152	71 655	2 450	76	1 264
2010	144 090	78 328	2 492	109	1 418
2011	149 517	83 551	2 658	147	1 725
2012	153 407	88 780	2 784	194	1 993
2013	158 075	92 343	3 180	305	2 422
2014	163 230	96 314	4 080	499	3 353
2015	162 571	94 361	6 151	785	4 537
2016	165 801	92 141	7 231	1 243	6 244
2017	170 337	85 215	9 419	1 979	9 260
2018	173 454	70 343	13 221	3 019	13 145
2019	177 774	49 615	15 985	3 829	15 950
2020	181 671	27 458	14 495	3 817	14 486
2021	175 784	9 503	6 547	1 810	6 546
2022	107 553	1 674	1 522	408	1 522
2023	64 013	0	0	0	0

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
2004	2 521	100%	100%	97%	92%	87%	82%	75%	69%	63%	57%	52%	47%	43%	38%	35%	31%	28%	26%
2005	2 333	100%	99%	97%	92%	88%	82%	76%	70%	63%	59%	54%	49%	45%	40%	36%	33%	31%	
2006	2 491	100%	99%	98%	94%	89%	84%	78%	73%	67%	61%	56%	51%	47%	43%	38%	35%		
2007	2 293	100%	99%	97%	94%	90%	83%	78%	72%	66%	60%	55%	49%	45%	41%	38%			
2008	2 346	100%	100%	98%	95%	90%	85%	79%	73%	66%	61%	56%	51%	49%	46%				
2009	2 450	100%	100%	98%	95%	92%	87%	81%	76%	70%	64%	58%	54%	52%					
2010	2 492	100%	99%	97%	94%	90%	85%	79%	73%	68%	64%	60%	57%						
2011	2 658	99%	98%	97%	95%	92%	87%	82%	76%	72%	68%	65%							
2012	2 784	100%	100%	99%	97%	93%	88%	82%	78%	74%	72%								
2013	3 180	100%	100%	99%	95%	92%	86%	82%	79%	76%									
2014	4 080	100%	100%	95%	93%	90%	87%	85%	82%										
2015	6 151	100%	81%	80%	79%	77%	75%	74%											
2016	7 231	91%	91%	90%	89%	88%	86%												
2017	9 419	100%	100%	100%	99%	98%													
2018	13 221	100%	100%	100%	99%														
2019	15 985	100%	100%	100%															
2020	14 495	100%	100%																
2021	6 547	100%																	
2022	1 522																		
2023																			

jj. Slovakia

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004	97 463	43 985	2 989	-	777
2005	106 530	46 820	2 779	-	841
2006	113 638	50 734	2 895	-	956
2007	119 911	55 257	2 570	-	899
2008	130 669	64 418	2 747	-	1 171
2009	135 154	71 657	2 716	-	1 274
2010	144 091	78 329	2 647	-	1 372
2011	149 518	83 552	2 851	-	1 681
2012	153 408	88 781	2 946	-	1 896
2013	158 076	92 344	2 979	-	2 034
2014	163 231	96 315	3 225	-	2 455
2015	162 571	94 361	3 595	-	3 027
2016	165 807	92 143	4 043	-	3 630
2017	170 337	85 215	4 927	-	4 703
2018	173 455	70 344	6 400	-	6 288
2019	177 773	49 614	6 888	-	6 860
2020	181 671	27 458	6 204	-	6 193
2021	175 784	9 503	3 183	-	3 183
2022	107 553	1 674	1 012	-	1 012
2023	64 013	0	0	-	0

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
2004	2 989	100%	100%	97%	92%	87%	82%	75%	69%	63%	57%	52%	47%	43%	38%	35%	31%	28%	26%
2005	2 779	100%	99%	97%	92%	88%	82%	76%	70%	63%	59%	54%	49%	45%	40%	36%	33%	31%	
2006	2 895	100%	99%	98%	94%	89%	84%	78%	73%	67%	61%	56%	51%	47%	43%	38%	35%		
2007	2 570	100%	99%	97%	94%	90%	83%	78%	72%	66%	60%	55%	49%	45%	41%	38%			
2008	2 747	100%	100%	98%	95%	90%	85%	79%	73%	66%	61%	56%	51%	49%	46%				
2009	2 716	100%	100%	98%	95%	92%	87%	81%	76%	70%	64%	58%	54%	52%					
2010	2 647	100%	99%	97%	94%	90%	85%	79%	73%	68%	64%	60%	57%						
2011	2 851	99%	98%	97%	95%	92%	87%	82%	76%	72%	68%	65%							
2012	2 946	100%	100%	99%	97%	93%	88%	82%	78%	74%	72%								
2013	2 979	100%	100%	99%	95%	92%	86%	82%	79%	76%									
2014	3 225	100%	100%	95%	93%	90%	87%	85%	82%										
2015	3 595	100%	81%	80%	79%	77%	75%	74%											
2016	4 043	91%	91%	90%	89%	88%	86%												
2017	4 927	100%	100%	100%	99%	98%													
2018	6 400	100%	100%	100%	99%														
2019	6 888	100%	100%	100%															
2020	6 204	100%	100%																
2021	3 183	100%																	
2022	1 012																		
2023																			

kk. San Marino

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004					
2005					
2006					
2007					
2008					
2009	70 422	37 680	371	-	199
2010	144 082	78 321	679	-	390
2011	149 517	83 551	674	-	435
2012	153 406	88 779	616	-	413
2013	158 075	92 343	590	-	400
2014	163 227	96 311	567	-	413
2015	162 571	94 361	592	-	487
2016	165 806	92 142	507	-	436
2017	170 337	85 215	410	-	369
2018	173 454	70 343	302	-	292
2019	177 772	49 613	203	-	198
2020	181 671	27 458	122	-	118
2021	175 784	9 503	30	-	30
2022	107 553	1 674	7	-	7
2023	64 013	0	0	-	0

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
2004																			
2005																			
2006																			
2007																			
2008																			
2009	371	100%	100%	99%	98%	97%	90%	82%	75%	71%	63%	58%	54%	54%					
2010	679	100%	100%	98%	95%	92%	87%	80%	74%	68%	63%	59%	57%						
2011	674	100%	100%	99%	97%	94%	87%	81%	75%	70%	67%	65%							
2012	616	100%	100%	99%	97%	92%	87%	79%	74%	68%	67%								
2013	590	100%	99%	98%	94%	90%	83%	78%	70%	68%									
2014	567	100%	100%	97%	93%	88%	82%	76%	73%										
2015	592	100%	100%	98%	94%	89%	84%	82%											
2016	507	100%	100%	97%	94%	88%	86%												
2017	410	100%	100%	96%	93%	90%													
2018	302	100%	99%	97%															
2019	203	100%	100%	98%															
2020	122	100%	97%																
2021	30	100%																	
2022	7																		
2023																			

II. Türkiye

Filing year	Applications filed	Granted patents	Validated patents		Patents still in force
			All	from unitary effect	
2004	97 829	44 237	6 448	-	2 803
2005	106 807	47 025	6 796	-	3 345
2006	113 910	50 947	7 444	-	4 057
2007	120 152	55 453	7 745	-	4 568
2008	130 851	64 581	8 793	-	5 742
2009	135 214	71 710	9 297	-	6 574
2010	144 106	78 344	10 297	-	7 887
2011	149 528	83 562	11 842	-	9 694
2012	153 413	88 786	13 746	-	12 027
2013	158 081	92 351	17 412	-	16 104
2014	163 232	96 315	22 093	-	21 200
2015	162 573	94 363	27 203	-	26 734
2016	165 811	92 146	35 496	-	35 338
2017	170 339	85 217	45 601	-	45 579
2018	173 454	70 343	48 510	-	48 509
2019	177 773	49 615	41 342	-	41 342
2020	181 671	27 458	25 532	-	25 532
2021	175 784	9 503	9 481	-	9 481
2022	107 553	1 674	1 674	-	1 674
2023	64 013	0	0	-	0

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
2004	6 448	100%	100%	98%	95%	91%	86%	82%	77%	72%	67%	63%	58%	54%	49%	44%	43%	43%	43%
2005	6 796	100%	100%	98%	96%	93%	88%	84%	79%	74%	69%	64%	60%	55%	50%	49%	49%	49%	
2006	7 444	100%	100%	99%	96%	93%	89%	85%	80%	76%	70%	65%	60%	55%	55%	55%	55%		
2007	7 745	100%	100%	99%	96%	94%	90%	85%	81%	76%	71%	66%	60%	59%	59%	59%			
2008	8 793	100%	100%	99%	97%	94%	90%	86%	81%	76%	71%	66%	65%	65%	65%				
2009	9 297	100%	100%	99%	97%	95%	91%	86%	82%	77%	71%	71%	71%	71%					
2010	10 297	100%	100%	99%	98%	95%	92%	87%	83%	77%	77%	77%	77%						
2011	11 842	100%	100%	99%	98%	95%	92%	88%	82%	82%	82%	82%							
2012	13 746	100%	100%	100%	98%	95%	92%	88%	87%	87%	87%								
2013	17 412	100%	100%	100%	98%	96%	93%	92%	92%	92%									
2014	22 093	100%	100%	100%	98%	96%	96%	96%	96%										
2015	27 203	100%	100%	100%	98%	98%	98%	98%											
2016	35 496	100%	100%	100%	100%	100%	100%												
2017	45 601	100%	100%	100%	100%	100%													
2018	48 510	100%	100%	100%	100%														
2019	41 342	100%	100%	100%															
2020	25 532	100%	100%																
2021	9 481	100%																	
2022	1 674																		
2023																			

mm. Unitary Patent

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

Filing year	Validated UP patents	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2004																			
2005																			
2006																			
2007	22	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%			
2008	44	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%			
2009	76	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%				
2010	109	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%					
2011	147	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%						
2012	194	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%							
2013	305	100%	100%	100%	100%	100%	100%	100%	100%	100%									
2014	499	100%	100%	100%	100%	100%	100%	100%	100%										
2015	785	100%	100%	100%	100%	100%	100%	100%											
2016	1 243	100%	100%	100%	100%	100%	100%												
2017	1 979	100%	100%	100%	100%	100%													
2018	3 019	100%	100%	100%	100%														
2019	3 829	100%	100%	100%															
2020	3 817	100%	100%																
2021	1 810	100%																	
2022	408																		
2023																			

Annex 2 National statistics

1. National patent applications

1.1 Filing route and growth over 2022

Country		National		PCT national phase		Total		Resident		Non Resident	
Albania	AL	9	-59%	2	100.0%	11	-52.2%	9	-53%	2	-50.0%
Austria	AT	1 761	-2.0%	480	10.6%	2 241	0.4%	1 983	3.7%	258	-19.1%
Belgium(1)	BE	1 194	-1.1%	0	-	1 194	-1.1%	716	5.9%	478	-10.0%
Bulgaria	BG	189	11.2%	8	700.0%	197	15.2%	185	11.4%	12	140.0%
Switzerland/Liechtenstein	CH/LI	1 392	-4.9%	69	-16.9%	1 461	-5.5%	1 204	-3.4%	257	-14.0%
Cyprus(1)	CY	3	-57.1%	0	-	3	-57.1%	3	-40.0%	0	-
Czech Republic	CZ	489	-6.7%	17	-37.0%	506	-8.2%	465	-7.9%	41	-10.9%
Germany	DE	51 218	2.0%	7 443	6.3%	58 661	2.5%	38 495	3.5%	20 166	0.8%
Denmark	DK	1 200	4.1%	81	9.5%	1 281	4.4%	1 078	2.5%	203	16.0%
Estonia	EE	28	154.5%	4	0.0%	32	113.3%	25	150.0%	7	40.0%
Spain	ES	1 190	-3.3%	265	204.6%	1 455	10.4%	1 149	-0.1%	306	82.1%
Finland	FI	1 717	21.8%	28	-24.3%	1 745	20.6%	1 672	23.0%	73	-17.0%
France(1)	FR	15 568	5.6%	-	-	15 568	5.6%	13 730	2.7%	1 838	33.4%
United Kingdom	GB	17 065	2.8%	2 900	0.2%	19 965	2.5%	11 486	2.7%	8 479	2.1%
Greece(1)	GR	1 084	-0.1%	-	-	1 084	-0.1%	501	14.6%	583	-10.0%
Croatia	HR	168	32.3%	3	0.0%	171	31.5%	164	34.4%	7	-12.5%
Hungary	HU	398	-8.1%	43	-37%	441	-12.0%	383	-7.5%	58	-33.3%
Ireland(1)	IE	588	184.1%	-	-	588	184.1%	200	18.3%	388	918.4%
Iceland	IS	49	32.4%	6	-14.3%	55	25.0%	46	24.3%	9	28.6%
Italy	IT	9 443	4.0%	180	25.0%	9 623	4.4%	8 478	0.5%	1 145	46.6%
Lithuania(1)	LT	70	-9.1%	-	-	70	-9.1%	66	-4.3%	4	-50.0%
Luxembourg	LU	2 560	42.8%	252	-16.3%	2 812	34.3%	104	0.0%	2 708	36.1%
Latvia(1)	LV	143	27.7%	-	-	143	27.7%	140	25.0%	3	-
Monaco(1)	MC	7	75.0%	-	-	7	75.0%	5	25.0%	2	-
Montenegro	ME	9	28.6%	0	-	9	28.6%	7	0.0%	2	-
North Macedonia	MK	667	3%	0	-	667	3%	19	-20.8%	648	4%
Malta(1)	MT	23	43.8%	-	-	23	43.8%	7	-12.5%	16	100.0%
Netherlands(1)	NL	3 094	-18.0%	-	-	3 094	-18.0%	1 818	-2.2%	1 276	-33.3%
Norway	NO	883	-1.5%	514	-0.6%	1 397	-1.1%	818	-5.2%	579	5.3%
Poland	PL	4 022	22.5%	41	5.1%	4 063	22.3%	3 946	21.8%	117	41.0%
Portugal	PT	879	-0.1%	25	-30.6%	904	-1.3%	760	3.0%	144	-19.1%
Romania	RO	840	1.8%	21	133.3%	861	3.2%	818	2.1%	43	30.3%
Serbia	RS	119	-11.2%	10	-28.6%	129	-12.8%	118	-7.1%	11	-47.6%
Sweden	SE	2 173	2.9%	62	-8.8%	2 235	2.5%	1 849	2.8%	386	1.3%
Slovenia(1)	SI	171	-30.5%	-	-	171	-30.5%	147	-34.4%	24	9.1%
Slovakia	SK	242	22.8%	14	133.3%	256	26.1%	232	26.1%	24	26.3%
San Marino(1)	SM	23	-32.4%	-	-	23	-32.4%	7	-12.5%	16	-38.5%
Türkiye	TR	8 370	-4.7%	371	11.1%	8 741	-4.1%	8 429	-4.6%	312	10.6%
EPC States		129 048	3.0%	12 839	5.3%	141 887	3.2%	101 262	2.8%	40 625	4.0%

(1) PCT national route closed

1.3 First filings

First filings as % of national domestic applications

Albania	AL	100.0%
Austria	AT	94.3%
Belgium	BE	91.3%
Bulgaria	BG	98.9%
Switzerland/Liechtenstein	CH/LI	88.6%
Cyprus	CY	100.0%
Czech Republic	CZ	98.7%
Germany	DE	92.8%
Denmark	DK	97.6%
Estonia	EE	96.0%
Spain	ES	98.0%
Finland	FI	96.6%
France	FR	97.9%
United Kingdom	GB	87.1%
Greece	GR	99.8%
Croatia	HR	100.0%
Hungary	HU	94.5%
Ireland	IE	87.0%
Iceland	IS	100.0%
Italy	IT	97.6%
Lithuania	LT	92.4%
Luxembourg*	LU	
Latvia	LV	100.0%
Monaco	MC	100.0%
Montenegro*	ME	
North Macedonia	MK	100.0%
Malta	MT	85.7%
Netherlands	NL	96.4%
Norway	NO	93.2%
Poland	PL	99.3%
Portugal	PT	99.2%
Romania	RO	99.8%
Serbia	RS	100.0%
Sweden	SE	95.8%
Slovenia	SI	99.3%
Slovakia	SK	96.1%
San Marino	SM	100.0%
Türkiye	TR	98.3%
EPC states		94.5%

* No data provided

In addition 79% of the national (non PCT) applications filed by residents from other EPC states were first filings.

2. Grant procedure

Country		Granted patents			Applications			Total
		Residents	Non residents	Total	Withdrawn	Deemed withdrawn	Refused	
Albania	AL	0	1	0	0	0	1	0
Austria	AT	861	129	990	66		824	1 880
Belgium	BE	703	411	1 114	76	0	53	1 243
Bulgaria	BG	112	2	114	2	3	36	155
Liechtenstein	CH/LI	463	199	662	96		859	1 617
Cyprus	CY	0	0		0	1	0	1
Czech Republic	CZ	413	45	458	63	108	115	744
Germany	DE	13 126	9 237	22 363	3 066	24 939	9 045	59 413
Denmark	DK	242	84	326	129	652	0	1 107
Estonia	EE	12	1	13	1	10	3	27
Spain	ES	663	91	754	61	57	167	1 039
Finland	FI	549	37	586	56	974	11	1 627
France	FR	8 923	1 182	10 105	674	387	1 614	12 780
United Kingdom	GB	4 155	4 222	8 377	1 849		9 255	10 226
Greece	GR	223	7	230	27	25	3	285
Croatia	HR	3	1	4	10	62	20	96
Hungary	HU	104	19	123	34	232	15	404
Ireland	IE	46	63	109	37	33	51	230
Iceland	IS	5	3	8	0	0	0	8
Italy	IT	7 558	798	8 356	500		1 950	10 806
Lithuania	LT	66	4	70	2	2	4	78
Luxembourg*	LU							
Latvia	LV	97	8	105	11	5	7	128
Monaco	MC	4	0	4	0	0	0	4
Montenegro	ME	5	0	5	0	0	0	5
North Macedonia	MK	20	3	23	2	0	3	28
Malta	MT	11	6	17	0	0	12	29
Netherlands	NL	1 533	1 920	3 453	304	218	2	3 977
Norway	NO	467	291	758	81	621	4	1 464
Poland	PL	2 208	53	2 261			704	2 965
Portugal	PT	117	76	193	6		162	361
Romania	RO	303	11	314	19	74	353	760
Serbia	RS	16	7	23	24	42	57	146
Sweden	SE	663	172	835	144	1 101	14	2 094
Slovenia	SI	139	14	153	12	63	0	228
Slovakia	SK	107	12	119	12	73	52	256
San Marino	SM	5	19	24	0	0	0	24
Türkiye	TR	2 299	147	2 446	79	705	435	3 665
Total		46 221	19 275	65 495	7 443	30 387	25 831	119 900

* Data not provided

3. 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 17 Contracting States (FR, NL, BE, LU, CY, GR, IT, LT, LV, MC, MT, SM, UK, AL, HR, AT, SI), and the number and proportion of those which were subsequently filed as European applications or PCT international applications.

Applications are counted in the year of the subsequent applications. Counts for 2023 are still provisional.

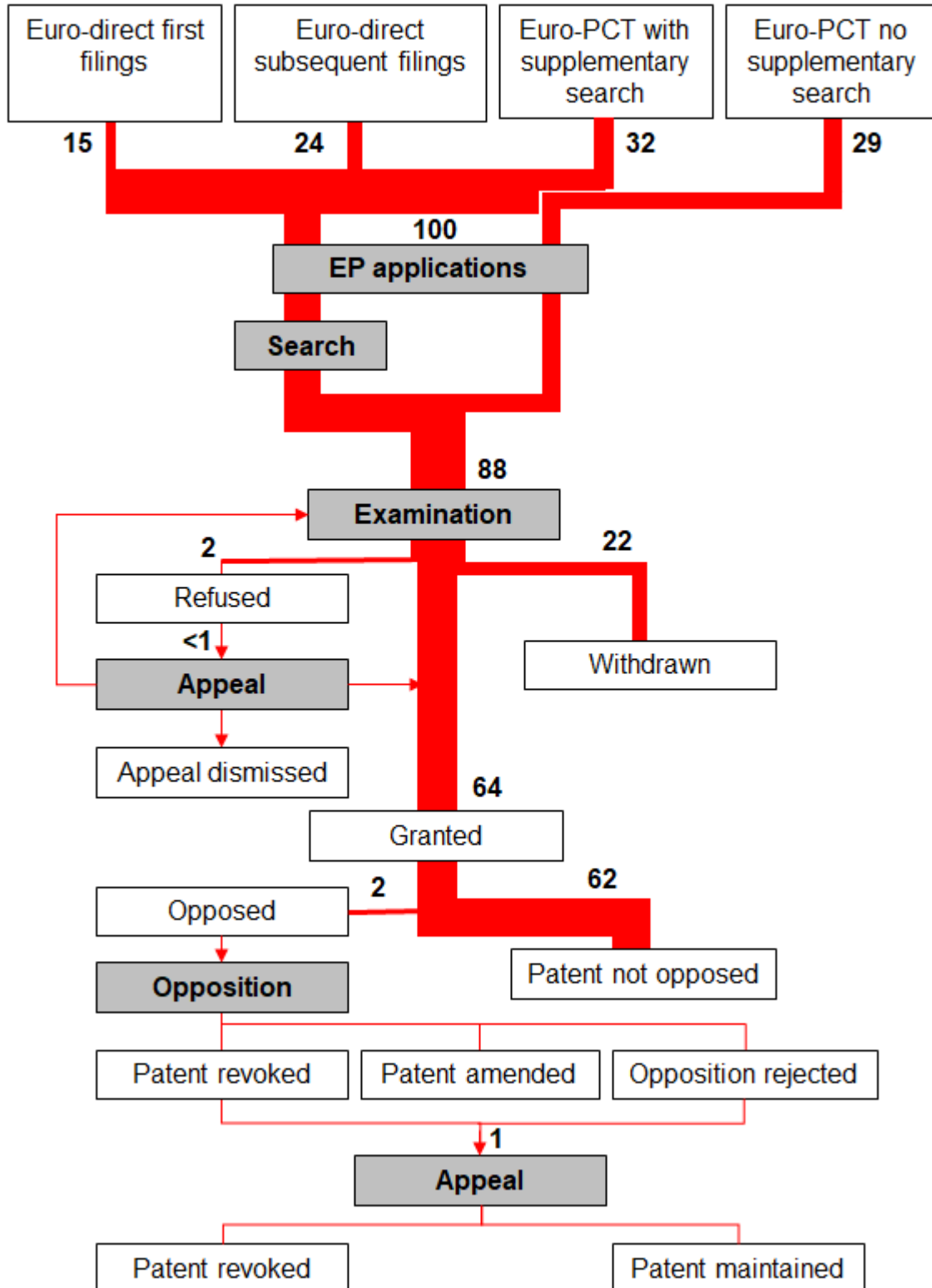
As proposed in CA/51/20, the statistics of the return rates are now presented for one group of the 17 Contracting States having a working agreement in place instead of two groups.

Year	Searched by the EPO	Remained national		Subsequently filed as			
				European		PCT international	
2022	28 859	12 281	42%	4 941	18%	11 637	40%
2023	24 548	10 137	41%	4 262	18%	10 149	41%

Annex 3 The European patent procedure in 2023

The figures illustrate the 2023 values of the different parameters.

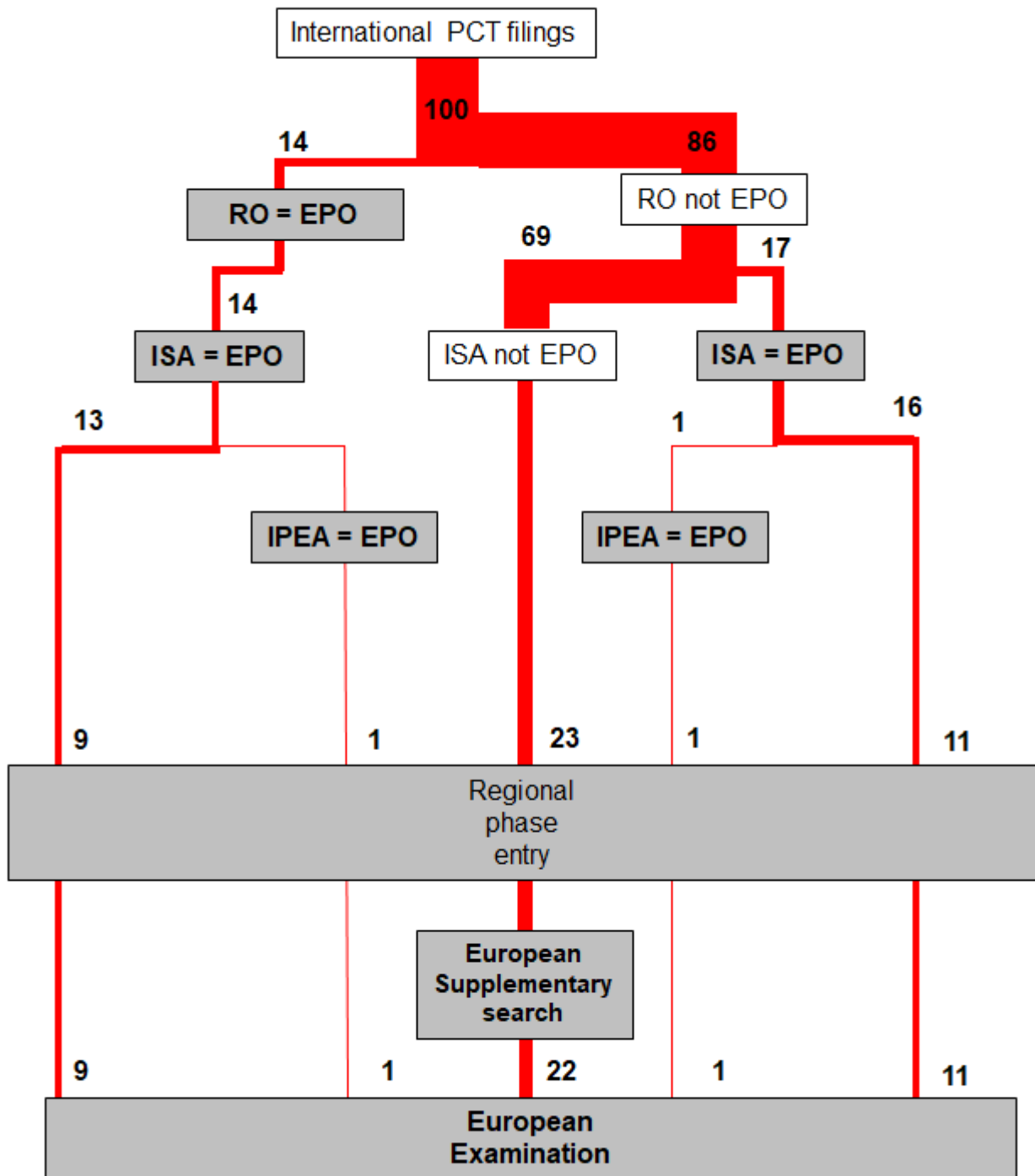
European grant procedure in 2023



Annex 4 The PCT international phase and the EPO in 2023

The figures illustrate the 2023 values of the different parameters.

PCT International phase and the EPO activities in 2023



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 (39 contracting states as at 1 August 2023) 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): (24 authorities as of 1 July 2024) 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, Eurasian PO, 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): (24 authorities as of 1 July 2024) 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, Eurasian PO, 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 157 contracting states on 1 July 2024, 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.

Unitary patent: After a European patent is granted, the patent proprietor can request unitary effect, thereby getting a European patent with unitary effect (Unitary Patent) that provides uniform patent protection in 17 EU Member States (Austria, Belgium, Bulgaria, Denmark, Estonia, Finland, France, Germany, Italy, Latvia, Lithuania, Luxembourg, Malta, The Netherlands, Portugal, Slovenia and Sweden) having ratified the enhanced cooperation agreement. The enhanced cooperation agreement entered into force for patents granted as from 1 June 2023.

Unitary patent court: A supranational court that allows the proprietors of Unitary Patents and European patents to enforce their rights – and third parties to have patents revoked – in all EU Member States having ratified the UPC Agreement. The UPC comprises of Court of first instance, composed of a central division (Paris and Munich) and of local and regional divisions, and a Court of Appeal.

Uptake rate: the proportion of published EP granted patents for which a unitary effect has been registered.

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).