

# Appendix

# Applications

## Application by IPR type

(unit: cases)

| Category       | 2019              | 2020              | 2021              | 2022              | 2023                     |
|----------------|-------------------|-------------------|-------------------|-------------------|--------------------------|
| Patents        | 218,975           | 226,759           | 237,998           | 237,633           | <b>243,310</b>           |
| Utility models | 5,447             | 4,981             | 4,009             | 3,084             | <b>2,746</b>             |
| Subtotal       | 224,422           | 231,740           | 242,007           | 240,717           | <b>246,056</b>           |
| Designs        | 64,111 (66,637)   | 66,354 (68,695)   | 63,647 (65,922)   | 55,333 (57,845)   | <b>53,738 (55,833)</b>   |
| Trademarks     | 204,998 (252,309) | 243,935 (290,207) | 270,421 (290,209) | 242,368 (290,323) | <b>241,130 (285,637)</b> |
| Total          | 493,531 (543,368) | 542,029 (590,642) | 576,075 (598,138) | 538,418 (588,885) | <b>540,924 (587,526)</b> |

Note: Figures in parentheses include multiple applications.

## PCT applications (KIPO as the Receiving Office)

(unit: cases)

| Category               | 2019   | 2020   | 2021   | 2022   | 2023          |
|------------------------|--------|--------|--------|--------|---------------|
| Number of applications | 18,885 | 19,675 | 20,528 | 21,916 | <b>22,166</b> |
| Growth rate            | 11.1%  | 4.2%   | 4.3%   | 6.8%   | <b>1.1%</b>   |

## International trademark applications under the Madrid System

(unit: cases)

| Category                   | 2019   | 2020   | 2021   | 2022   | 2023          |
|----------------------------|--------|--------|--------|--------|---------------|
| Korea as office of origin  | 1,419  | 1,599  | 2,012  | 2,089  | <b>2,150</b>  |
| Korea as designated office | 16,509 | 13,998 | 15,400 | 16,710 | <b>14,079</b> |

## International design applications under the Hague System

(unit: cases)

| Category                   | 2019 | 2020  | 2021  | 2022  | 2023         |
|----------------------------|------|-------|-------|-------|--------------|
| Korea as office of origin  | 178  | 250   | 279   | 280   | <b>202</b>   |
| Korea as designated office | 928  | 1,229 | 1,140 | 1,308 | <b>1,597</b> |

## Comparison of domestic and foreign applications

(unit: cases)

| Category       |          |       | 2019              | 2020              | 2021              | 2022              | 2023                     |
|----------------|----------|-------|-------------------|-------------------|-------------------|-------------------|--------------------------|
| Patents        | Domestic | Cases | 171,606           | 180,484           | 186,245           | 183,747           | <b>191,154</b>           |
|                |          | Ratio | 78.4%             | 79.6%             | 78.3%             | 77.3%             | <b>78.6%</b>             |
|                | Foreign  | Cases | 47,396            | 46,275            | 51,753            | 53,886            | <b>52,156</b>            |
|                |          | Ratio | 21.6%             | 20.4%             | 21.7%             | 22.7%             | <b>21.4%</b>             |
|                | Total    |       | 218,975           | 226,759           | 237,998           | 237,633           | <b>243,310</b>           |
| Utility models | Domestic | Cases | 4,975             | 4,595             | 3,642             | 2,784             | <b>2,400</b>             |
|                |          | Ratio | 91.3%             | 92.3%             | 90.8%             | 90.3%             | <b>87.4%</b>             |
|                | Foreign  | Cases | 472               | 386               | 367               | 300               | <b>346</b>               |
|                |          | Ratio | 8.7%              | 7.7%              | 9.2%              | 9.7%              | <b>12.6%</b>             |
|                | Total    |       | 5,447             | 4,981             | 4,009             | 3,084             | <b>2,746</b>             |
| Designs        | Domestic | Cases | 59,877 (61,204)   | 62,698 (63,939)   | 59,880 (61,175)   | 51,428 (52,814)   | <b>49,907 (51,068)</b>   |
|                |          | Ratio | 93.3% (91.8%)     | 94.5% (93.1%)     | 94.1% (92.8%)     | 92.9% (91.3%)     | <b>92.9% (91.5%)</b>     |
|                | Foreign  | Cases | 4,234 (5,433)     | 3,656 (4,756)     | 3,767 (4,747)     | 3,905 (5,031)     | <b>3,831 (4,765)</b>     |
|                |          | Ratio | 6.7% (8.2%)       | 5.5% (6.9%)       | 5.9% (7.2%)       | 7.1% (8.7%)       | <b>7.1% (8.5%)</b>       |
|                | Total    |       | 64,111 (66,637)   | 66,354 (68,695)   | 63,647 (65,922)   | 55,333 (57,845)   | <b>53,738 (55,833)</b>   |
| Trademarks     | Domestic | Cases | 190,204 (228,530) | 230,318 (269,332) | 255,746 (269,219) | 228,219 (268,334) | <b>227,221 (264,779)</b> |
|                |          | Ratio | 92.8% (90.6%)     | 94.4% (92.8%)     | 94.6% (92.8%)     | 94.2% (92.4%)     | <b>94.2% (92.7%)</b>     |
|                | Foreign  | Cases | 14,794 (23,779)   | 13,617 (20,875)   | 14,675 (20,990)   | 14,149 (21,989)   | <b>13,909 (20,858)</b>   |
|                |          | Ratio | 7.2% (9.4%)       | 5.6% (7.2%)       | 5.4% (7.2%)       | 5.8% (7.6%)       | <b>5.8% (7.3%)</b>       |
|                | Total    |       | 204,998 (252,309) | 243,935 (290,207) | 270,421 (290,209) | 242,368 (290,323) | <b>241,130 (285,637)</b> |
| Total          | Domestic | Cases | 426,662 (466,315) | 478,095 (518,350) | 505,513 (520,281) | 466,178 (507,679) | <b>470,682 (509,401)</b> |
|                |          | Ratio | 86.5% (85.8%)     | 88.2% (87.8%)     | 87.8% (87.0%)     | 86.6% (86.2%)     | <b>87.0% (86.7%)</b>     |
|                | Foreign  | Cases | 66,869 (77,053)   | 63,934 (72,292)   | 70,562 (77,857)   | 72,240 (81,206)   | <b>70,242 (78,125)</b>   |
|                |          | Ratio | 13.5% (14.2%)     | 11.8% (12.2%)     | 12.2% (13.0%)     | 13.4% (13.8%)     | <b>13.0% (13.3%)</b>     |
|                | Total    |       | 493,531 (543,368) | 542,029 (590,642) | 576,075 (598,138) | 538,418 (588,885) | <b>540,924 (587,526)</b> |

Note: Figures in parentheses include multiple applications.

## Patent and utility model applications by technological field in 2023

(unit: cases)

| Classification                          | Patents  |         |               | Utility models |         |            |
|---|----------|---------|---------------|----------------|---------|------------|
|   | Domestic | Foreign | Subtotal      | Domestic       | Foreign | Subtotal   |
| Electrical machinery, apparatus, energy | 16,481   | 3,940   | <b>20,421</b> | 164            | 37      | <b>201</b> |
| Audio-visual technology                 | 5,833    | 1,799   | <b>7,632</b>  | 39             | 15      | <b>54</b>  |
| Telecommunications                      | 2,598    | 621     | <b>3,219</b>  | 16             | 1       | <b>17</b>  |
| Digital communication                   | 7,878    | 3,203   | <b>11,081</b> | 2              | -       | <b>2</b>   |
| Basic communication processes           | 578      | 256     | <b>834</b>    | -              | -       | <b>-</b>   |
| Computer technology                     | 14,592   | 2,991   | <b>17,583</b> | 34             | 7       | <b>41</b>  |
| IT methods for management               | 14,683   | 402     | <b>15,085</b> | 20             | 1       | <b>21</b>  |
| Semiconductors                          | 10,264   | 4,297   | <b>14,561</b> | 5              | 21      | <b>26</b>  |
| Optics                                  | 2,731    | 2,210   | <b>4,941</b>  | 26             | 8       | <b>34</b>  |
| Measurement                             | 8,866    | 1,878   | <b>10,744</b> | 51             | 4       | <b>55</b>  |
| Analysis of biological materials        | 651      | 288     | <b>939</b>    | 2              | -       | <b>2</b>   |
| Control                                 | 4,022    | 468     | <b>4,490</b>  | 42             | -       | <b>42</b>  |
| Medical technology                      | 10,326   | 2,303   | <b>12,629</b> | 116            | 27      | <b>143</b> |
| Organic fine chemistry                  | 3,801    | 2,601   | <b>6,402</b>  | -              | 1       | <b>1</b>   |
| Biotechnology                           | 3,892    | 3,091   | <b>6,983</b>  | -              | -       | <b>-</b>   |
| Pharmaceuticals                         | 3,171    | 2,466   | <b>5,637</b>  | -              | -       | <b>-</b>   |
| Macromolecular chemistry, polymers      | 1,794    | 1,883   | <b>3,677</b>  | 1              | -       | <b>1</b>   |
| Food chemistry                          | 5,006    | 364     | <b>5,370</b>  | 17             | 1       | <b>18</b>  |
| Basic materials chemistry               | 2,940    | 1,729   | <b>4,669</b>  | 4              | 1       | <b>5</b>   |
| Materials, metallurgy                   | 3,416    | 1,637   | <b>5,053</b>  | 7              | 4       | <b>11</b>  |
| Surface technology, coating             | 2,276    | 1,741   | <b>4,017</b>  | 7              | 9       | <b>16</b>  |
| Micro-structural and nano-technology    | 17       | 14      | <b>31</b>     | -              | -       | <b>-</b>   |
| Chemical engineering                    | 3,549    | 1,006   | <b>4,555</b>  | 41             | 12      | <b>53</b>  |
| Environmental technology                | 3,583    | 443     | <b>4,026</b>  | 45             | 7       | <b>52</b>  |
| Handling                                | 4,879    | 949     | <b>5,828</b>  | 161            | 18      | <b>179</b> |
| Machine tools                           | 3,724    | 1,021   | <b>4,745</b>  | 50             | 5       | <b>55</b>  |
| Engines, pumps, turbines                | 2,036    | 775     | <b>2,811</b>  | 32             | 11      | <b>43</b>  |
| Textile and paper machines              | 1,621    | 467     | <b>2,088</b>  | 19             | 1       | <b>20</b>  |
| Other special machines                  | 6,257    | 1,392   | <b>7,649</b>  | 217            | 12      | <b>229</b> |
| Thermal processes and apparatus         | 2,892    | 336     | <b>3,228</b>  | 46             | 3       | <b>49</b>  |
| Mechanical elements                     | 2,399    | 842     | <b>3,241</b>  | 51             | 18      | <b>69</b>  |
| Transport                               | 9,290    | 1,420   | <b>10,710</b> | 133            | 18      | <b>151</b> |

(unit: cases)

| Classification       | Patents  |         |                | Utility models |         |              |
|----------------------|----------|---------|----------------|----------------|---------|--------------|
|                      | Domestic | Foreign | Subtotal       | Domestic       | Foreign | Subtotal     |
| Furniture, games     | 4,978    | 603     | <b>5,581</b>   | 354            | 46      | <b>400</b>   |
| Other consumer goods | 5,277    | 1,396   | <b>6,673</b>   | 282            | 36      | <b>318</b>   |
| Civil engineering    | 7,873    | 514     | <b>8,387</b>   | 260            | 14      | <b>274</b>   |
| Others               | 6,980    | 810     | <b>7,790</b>   | 156            | 8       | <b>164</b>   |
| Total                | 191,154  | 52,156  | <b>243,310</b> | 2,400          | 346     | <b>2,746</b> |

Note: Figures for 2023 are preliminary.

### Patent applications in biotechnology

(unit: cases)

| Category | 2019   |       | 2020   |       | 2021   |       | 2022   |       | 2023          |              |
|----------|--------|-------|--------|-------|--------|-------|--------|-------|---------------|--------------|
|          | Cases  | Ratio | Cases  | Ratio | Cases  | Ratio | Cases  | Ratio | Cases         | Ratio        |
| Domestic | 7,269  | 71.0% | 7,878  | 71.0% | 8,010  | 67.2% | 7,844  | 63.8% | <b>8,126</b>  | <b>64.8%</b> |
| Foreign  | 2,973  | 29.0% | 3,218  | 29.0% | 3,918  | 32.8% | 4,443  | 36.2% | <b>4,419</b>  | <b>35.2%</b> |
| Total    | 10,242 | 100%  | 11,096 | 100%  | 11,928 | 100%  | 12,287 | 100%  | <b>12,545</b> | <b>100%</b>  |

Note1: Figures for 2023 are preliminary.

Note2: Based on the following biotechnological categories of the Eighth Edition of the International Patent Classification: A01H; A01K 67/00-67/04; A01N 63/00-65/00; A61K 8/97-8/99; A61K 8/64-8/68; A61K 35/12-35/76; 36/00-36/9068; A61K 38/00-38/58, 39/00-39/44, 48/00, 51/00-51/10; C02F; C07H 19/00-21/04; C07K; C12C-M; C12N; C12P; C12Q; C12S; G01N 33/50-33/98.

### Patent applications in business methods

(unit: cases)

| Category | 2019   |       | 2020   |       | 2021   |       | 2022   |       | 2023          |              |
|----------|--------|-------|--------|-------|--------|-------|--------|-------|---------------|--------------|
|          | Cases  | Ratio | Cases  | Ratio | Cases  | Ratio | Cases  | Ratio | Cases         | Ratio        |
| Domestic | 10,321 | 95.1% | 12,251 | 96.5% | 15,019 | 96.4% | 15,836 | 97.1% | <b>14,683</b> | <b>97.3%</b> |
| Foreign  | 534    | 4.9%  | 449    | 3.5%  | 557    | 3.6%  | 473    | 2.9%  | <b>402</b>    | <b>2.7%</b>  |
| Total    | 10,855 | 100%  | 12,700 | 100%  | 15,576 | 100%  | 16,309 | 100%  | <b>15,085</b> | <b>100%</b>  |

Note1: Figures for 2023 are preliminary.

Note2: Based on the Ninth Edition of the International Patent Classification.

## Applications by residents of foreign countries/regions in 2023

(unit: cases)

| Countries/Regions         | Patent & Utility models |        | Designs       |           | Trademarks    |               | Total                  |
|---------------------------|-------------------------|--------|---------------|-----------|---------------|---------------|------------------------|
|                           | Domestic                | PCT    | Domestic      | Hague     | Domestic      | Madrid        |                        |
| United States of America  | 1,505                   | 15,039 | 1,427 (1,876) | 144 (338) | 3,270 (5,804) | 3,170 (5,262) | <b>24,555 (29,824)</b> |
| Japan                     | 3,939                   | 10,261 | 618 (725)     | 158 (238) | 1,369 (2,513) | 1,355 (2,448) | <b>17,700 (20,124)</b> |
| China                     | 801                     | 4,856  | 1,017 (1,072) | 385 (677) | 5,370 (6,330) | 1,859 (2,776) | <b>14,288 (16,512)</b> |
| Germany                   | 586                     | 3,217  | 75 (110)      | 120 (654) | 200 (297)     | 1,230 (2,676) | <b>5,428 (7,540)</b>   |
| Switzerland               | 165                     | 1,602  | 68 (128)      | 185 (353) | 224 (403)     | 790 (1,561)   | <b>3,034 (4,212)</b>   |
| France                    | 150                     | 1,386  | 122 (127)     | 204 (353) | 273 (423)     | 856 (1,756)   | <b>2,991 (4,195)</b>   |
| United Kingdom            | 113                     | 1,348  | 97 (149)      | 34 (94)   | 403 (717)     | 711 (1,673)   | <b>2,706 (4,094)</b>   |
| Netherlands               | 259                     | 872    | 81 (88)       | 55 (141)  | 71 (129)      | 299 (557)     | <b>1,637 (2,046)</b>   |
| Italy                     | 35                      | 483    | 25 (55)       | 98 (213)  | 131 (177)     | 723 (1,398)   | <b>1,495 (2,361)</b>   |
| Taiwan, Province of China | 801                     | 116    | 44 (53)       | -         | 443 (541)     | -             | <b>1,404 (1,511)</b>   |
| Singapore                 | 151                     | 205    | 12 (20)       | 6 (6)     | 462 (775)     | 284 (537)     | <b>1,120 (1,694)</b>   |
| Sweden                    | 91                      | 628    | 19 (62)       | 9 (23)    | 52 (135)      | 253 (586)     | <b>1,052 (1,525)</b>   |
| Canada                    | 40                      | 444    | 45 (55)       | 25 (41)   | 226 (330)     | 195 (416)     | <b>975 (1,326)</b>     |
| Australia                 | 9                       | 261    | 43 (65)       | 1 (1)     | 164 (225)     | 319 (591)     | <b>797 (1,152)</b>     |
| Israel                    | 46                      | 416    | 8 (9)         | 19 (29)   | 38 (57)       | 69 (108)      | <b>596 (665)</b>       |
| Belgium                   | 9                       | 346    | 1 (1)         | 21 (23)   | 30 (57)       | 130 (236)     | <b>537 (672)</b>       |
| Denmark                   | 33                      | 267    | 35 (42)       | 18 (41)   | 40 (87)       | 142 (242)     | <b>535 (712)</b>       |
| Spain                     | 16                      | 134    | 1 (1)         | 10 (16)   | 54 (68)       | 260 (457)     | <b>475 (692)</b>       |
| Austria                   | 54                      | 267    | 1 (1)         | 14 (70)   | 15 (35)       | 114 (285)     | <b>465 (712)</b>       |
| Finland                   | 16                      | 256    | 1 (1)         | 6 (20)    | 11 (26)       | 85 (237)      | <b>375 (556)</b>       |
| Ireland                   | 17                      | 184    | 15 (35)       | 2 (7)     | 32 (55)       | 69 (130)      | <b>319 (428)</b>       |
| Luxembourg                | 21                      | 118    | 18 (25)       | -         | 36 (70)       | 76 (183)      | <b>269 (417)</b>       |
| India                     | 17                      | 136    | 4 (4)         | -         | 43 (52)       | 66 (130)      | <b>266 (339)</b>       |
| Norway                    | 4                       | 142    | 3 (6)         | 15 (34)   | 18 (20)       | 72 (181)      | <b>254 (387)</b>       |
| New Zealand               | 2                       | 57     | 16 (16)       | -         | 40 (61)       | 101 (159)     | <b>216 (295)</b>       |
| Turkiye                   | -                       | 33     | -             | 6 (13)    | 24 (25)       | 113 (190)     | <b>176 (261)</b>       |
| Russian Federation        | 6                       | 42     | 5 (5)         | 4 (4)     | 34 (39)       | 81 (195)      | <b>172 (291)</b>       |
| Thailand                  | 2                       | 36     | 1 (1)         | -         | 94 (109)      | 35 (41)       | <b>168 (189)</b>       |
| United Arab Emirates      | -                       | 18     | -             | 1 (2)     | 115 (156)     | 23 (48)       | <b>157 (224)</b>       |
| Viet Nam                  | 4                       | -      | 5 (5)         | 1 (1)     | 42 (51)       | 81 (132)      | <b>133 (193)</b>       |
| Poland                    | 3                       | 42     | 1 (2)         | 2 (4)     | 6 (7)         | 61 (122)      | <b>115 (180)</b>       |
| Cayman Islands            | 4                       | 12     | -             | -         | 75 (236)      | 12 (14)       | <b>103 (266)</b>       |
| Saudi Arabia              | -                       | 60     | -             | -         | 20 (105)      | -             | <b>80 (165)</b>        |
| Malaysia                  | 4                       | 13     | 1 (1)         | 1 (4)     | 39 (51)       | 19 (41)       | <b>77 (114)</b>        |

(unit: cases)

| Countries/Regions   | Patent & Utility models |     | Designs  |        | Trademarks |          | Total           |
|---|-------------------------|-----|----------|--------|------------|----------|-----------------|
|   | Domestic                | PCT | Domestic | Hague  | Domestic   | Madrid   |                 |
| Virgin Islands (British)  | -                       | 7   | -        | -      | 54 (79)    | 13 (22)  | <b>74 (108)</b> |
| Cyprus  | -                       | 8   | -        | -      | 6 (12)     | 48 (101) | <b>62 (121)</b> |
| Brazil  | 1                       | 25  | 1 (1)    | -      | 19 (31)    | 15 (16)  | <b>61 (74)</b>  |
| Mexico  | 2                       | 21  | -        | -      | 25 (37)    | 12 (17)  | <b>60 (77)</b>  |
| Liechtenstein   | 14                      | 25  | -        | 3 (10) | 4 (10)     | 12 (37)  | <b>58 (96)</b>  |
| Portugal  | 2                       | 17  | 1 (1)    | 1 (2)  | 15 (15)    | 18 (27)  | <b>54 (64)</b>  |
| Czech Republic  | 3                       | 16  | -        | 1 (2)  | 2 (2)      | 27 (79)  | <b>49 (102)</b> |
| Chile   | 1                       | 5   | -        | -      | 35 (39)    | 4 (4)    | <b>45 (49)</b>  |
| Bulgaria  | -                       | 1   | -        | 2 (7)  | 1 (1)      | 37 (92)  | <b>41 (101)</b> |
| Indonesia   | 1                       | 1   | 2 (2)    | -      | 23 (27)    | 14 (19)  | <b>41 (50)</b>  |
| The Hong Kong Special Administrative Region of the People's Republic of China | 1                       | 4   | -        | -      | 35 (55)    | -        | <b>40 (60)</b>  |
| Hungary   | 1                       | 10  | -        | 2 (2)  | 2 (5)      | 24 (41)  | <b>39 (59)</b>  |
| South Africa  | 1                       | 8   | -        | -      | 15 (17)    | -        | <b>24 (26)</b>  |
| Malta   | -                       | 7   | -        | -      | 2 (11)     | 13 (27)  | <b>22 (45)</b>  |
| Estonia   | -                       | 7   | -        | 1 (1)  | 5 (6)      | 8 (11)   | <b>21 (25)</b>  |
| Ukraine   | -                       | 1   | 1 (1)    | 2 (3)  | 3 (3)      | 14 (18)  | <b>21 (26)</b>  |
| Greece  | -                       | 7   | -        | -      | 8 (23)     | 6 (9)    | <b>21 (39)</b>  |
| Kazakhstan  | 2                       | -   | -        | -      | 12 (12)    | 5 (9)    | <b>19 (23)</b>  |
| Slovenia  | 1                       | 9   | -        | 2 (2)  | 1 (2)      | 5 (6)    | <b>18 (20)</b>  |
| Azerbaijan  | -                       | -   | -        | -      | 16 (16)    | 2 (2)    | <b>18 (18)</b>  |
| Mongolia  | 1                       | -   | 2 (2)    | -      | 10 (15)    | 5 (8)    | <b>18 (26)</b>  |
| Lithuania   | -                       | 2   | -        | 2 (2)  | 2 (2)      | 11 (17)  | <b>17 (23)</b>  |
| Argentina   | -                       | 3   | -        | -      | 13 (15)    | -        | <b>16 (18)</b>  |
| Barbados  | 2                       | 6   | 1 (4)    | -      | 7 (16)     | -        | <b>16 (28)</b>  |
| Seychelles  | -                       | -   | -        | -      | 15 (23)    | 1 (2)    | <b>16 (25)</b>  |
| Slovakia  | -                       | 7   | -        | -      | -          | 9 (10)   | <b>16 (17)</b>  |
| Morocco   | -                       | 3   | -        | 1 (5)  | 1 (1)      | 11 (28)  | <b>16 (37)</b>  |
| Philippines   | 1                       | 2   | -        | -      | 8 (22)     | 4 (4)    | <b>15 (29)</b>  |
| Mauritius   | -                       | 1   | -        | -      | 12 (17)    | 1 (1)    | <b>14 (19)</b>  |
| Croatia   | -                       | 2   | -        | 1 (1)  | -          | 10 (10)  | <b>13 (13)</b>  |
| Pakistan  | 1                       | 1   | 3 (3)    | -      | 7 (10)     | -        | <b>12 (15)</b>  |
| Monaco  | -                       | -   | -        | -      | 4 (4)      | 8 (14)   | <b>12 (18)</b>  |
| Uzbekistan  | 2                       | -   | 1 (1)    | -      | 7 (8)      | 2 (9)    | <b>12 (20)</b>  |

(unit: cases)

| Countries/Regions                         | Patent & Utility models |     | Designs  |       | Trademarks |        | Total          |
|---|-------------------------|-----|----------|-------|------------|--------|----------------|
|   | Domestic                | PCT | Domestic | Hague | Domestic   | Madrid |                |
| Romania                                   | -                       | 1   | 1 (1)    | 1 (1) | 1 (6)      | 7 (9)  | <b>11 (18)</b> |
| Iceland                                   | -                       | 3   | -        | -     | 1 (3)      | 6 (13) | <b>10 (19)</b> |
| Cuba                                      | -                       | 10  | -        | -     | -          | -      | <b>10 (10)</b> |
| Antigua and Barbuda                       | -                       | 9   | -        | -     | -          | -      | <b>9 (9)</b>   |
| Republic of Moldova                       | -                       | 1   | -        | -     | -          | 8 (8)  | <b>9 (9)</b>   |
| Kyrgyzstan                                | -                       | 2   | -        | -     | 6 (6)      | -      | <b>8 (8)</b>   |
| The former Yugoslav Republic of Macedonia | -                       | -   | -        | -     | -          | 7 (21) | <b>7 (21)</b>  |
| Latvia                                    | -                       | -   | -        | -     | -          | 7 (11) | <b>7 (11)</b>  |
| Serbia                                    | -                       | 2   | -        | -     | -          | 5 (17) | <b>7 (19)</b>  |
| Kuwait                                    | -                       | -   | -        | -     | 7 (14)     | -      | <b>7 (14)</b>  |
| Qatar                                     | -                       | -   | -        | -     | 6 (30)     | -      | <b>6 (30)</b>  |
| Iran (Islamic Republic of)                | 1                       | 2   | -        | -     | 1 (1)      | 1 (17) | <b>5 (21)</b>  |
| Bermuda                                   | -                       | 2   | -        | -     | 1 (1)      | 2 (2)  | <b>5 (5)</b>   |
| Egypt                                     | -                       | 1   | -        | -     | 2 (4)      | 2 (3)  | <b>5 (8)</b>   |
| Dominican Republic                        | -                       | -   | -        | -     | 5 (5)      | -      | <b>5 (5)</b>   |
| Bahamas                                   | -                       | -   | -        | -     | 5 (5)      | -      | <b>5 (5)</b>   |
| Sri Lanka                                 | -                       | 1   | 2 (2)    | -     | 2 (2)      | -      | <b>5 (5)</b>   |
| Gibraltar                                 | -                       | 1   | -        | -     | 4 (28)     | -      | <b>5 (29)</b>  |
| Belarus                                   | -                       | -   | -        | -     | -          | 4 (4)  | <b>4 (4)</b>   |
| Nigeria                                   | -                       | -   | 4 (4)    | -     | -          | -      | <b>4 (4)</b>   |
| Macao                                     | -                       | -   | -        | -     | 3 (3)      | -      | <b>3 (3)</b>   |
| Samoa                                     | 2                       | -   | -        | -     | 1 (3)      | -      | <b>3 (5)</b>   |
| Isle of Man                               | -                       | -   | -        | 1 (2) | 1 (4)      | 1 (1)  | <b>3 (7)</b>   |
| Costa Rica                                | -                       | 2   | -        | -     | 1 (1)      | -      | <b>3 (3)</b>   |
| Guatemala                                 | -                       | -   | -        | -     | 3 (4)      | -      | <b>3 (4)</b>   |
| Jersey(U.K.)                              | -                       | 2   | -        | -     | -          | 1 (1)  | <b>3 (3)</b>   |
| Georgia                                   | -                       | -   | -        | -     | 1 (1)      | 2 (2)  | <b>3 (3)</b>   |
| Colombia                                  | -                       | -   | -        | -     | 1 (2)      | 1 (1)  | <b>2 (3)</b>   |
| Uruguay                                   | -                       | -   | -        | -     | -          | 2 (5)  | <b>2 (5)</b>   |
| United Republic of Tanzania               | 2                       | -   | -        | -     | -          | -      | <b>2 (2)</b>   |
| Faroe Islands                             | -                       | -   | -        | -     | -          | 2 (2)  | <b>2 (2)</b>   |
| San Marino                                | -                       | -   | -        | -     | -          | 2 (3)  | <b>2 (3)</b>   |
| Guernsey                                  | -                       | -   | -        | -     | -          | 2 (2)  | <b>2 (2)</b>   |
| Curacao                                   | -                       | -   | -        | -     | 2 (2)      | -      | <b>2 (2)</b>   |



(unit: cases)

| Countries/Regions                | Patent & Utility models |               | Designs              |                      | Trademarks             |                        | Total                   |
|----------------------------------|-------------------------|---------------|----------------------|----------------------|------------------------|------------------------|-------------------------|
|                                  | Domestic                | PCT           | Domestic             | Hague                | Domestic               | Madrid                 |                         |
| Lebanon                          | 1                       | 1             | -                    | -                    | -                      | -                      | <b>2 (2)</b>            |
| Jordan                           | -                       | -             | -                    | -                    | 2 (3)                  | -                      | <b>2 (3)</b>            |
| Belize                           | -                       | 2             | -                    | -                    | -                      | -                      | <b>2 (2)</b>            |
| Oman                             | -                       | -             | -                    | -                    | -                      | 2 (2)                  | <b>2 (2)</b>            |
| Tunisia                          | -                       | 1             | -                    | -                    | -                      | 1 (1)                  | <b>2 (2)</b>            |
| Cambodia                         | -                       | 2             | -                    | -                    | -                      | -                      | <b>2 (2)</b>            |
| Bangladesh                       | 1                       | -             | -                    | -                    | 1 (1)                  | -                      | <b>2 (2)</b>            |
| Bosnia and Herzegovina           | -                       | 2             | -                    | -                    | -                      | -                      | <b>2 (2)</b>            |
| Myanmar                          | -                       | -             | -                    | -                    | -                      | 1 (1)                  | <b>1 (1)</b>            |
| Saint Vincent and the Grenadines | -                       | -             | -                    | -                    | -                      | 1 (4)                  | <b>1 (4)</b>            |
| Yemen                            | -                       | -             | -                    | -                    | 1 (3)                  | -                      | <b>1 (3)</b>            |
| Syrian Arab Republic             | -                       | -             | -                    | -                    | 1 (1)                  | -                      | <b>1 (1)</b>            |
| Ghana                            | -                       | -             | 1 (1)                | -                    | -                      | -                      | <b>1 (1)</b>            |
| Nepal                            | -                       | -             | -                    | -                    | 1 (1)                  | -                      | <b>1 (1)</b>            |
| Sudan                            | 1                       | -             | -                    | -                    | -                      | -                      | <b>1 (1)</b>            |
| Cameroon                         | -                       | -             | -                    | -                    | 1 (1)                  | -                      | <b>1 (1)</b>            |
| Liberia                          | -                       | -             | 1 (1)                | -                    | -                      | -                      | <b>1 (1)</b>            |
| Armenia                          | -                       | -             | -                    | -                    | 1 (1)                  | -                      | <b>1 (1)</b>            |
| Panama                           | 1                       | -             | -                    | -                    | -                      | -                      | <b>1 (1)</b>            |
| Benin                            | -                       | -             | 1 (1)                | -                    | -                      | -                      | <b>1 (1)</b>            |
| Trinidad and Tobago              | -                       | -             | -                    | -                    | -                      | 1 (3)                  | <b>1 (3)</b>            |
| Vanuatu                          | -                       | -             | -                    | -                    | 1 (1)                  | -                      | <b>1 (1)</b>            |
| Netherlands Antilles             | -                       | -             | -                    | -                    | 1 (1)                  | -                      | <b>1 (1)</b>            |
| Saint Lucia                      | -                       | -             | -                    | -                    | 1 (1)                  | -                      | <b>1 (1)</b>            |
| Bahrain                          | -                       | -             | -                    | -                    | -                      | 1 (1)                  | <b>1 (1)</b>            |
| Ethiopia                         | 1                       | -             | -                    | -                    | -                      | -                      | <b>1 (1)</b>            |
| Puerto Rico                      | -                       | -             | -                    | -                    | 1 (2)                  | -                      | <b>1 (2)</b>            |
| El Salvador                      | -                       | -             | -                    | -                    | 1 (3)                  | -                      | <b>1 (3)</b>            |
| Nicaragua                        | -                       | -             | -                    | 1 (2)                | -                      | -                      | <b>1 (2)</b>            |
| Others                           | 1                       | -             | -                    | -                    | 8 (9)                  | -                      | <b>9 (10)</b>           |
| <b>Total</b>                     | <b>8,951</b>            | <b>43,550</b> | <b>3,831 (4,765)</b> | <b>1,565 (3,442)</b> | <b>13,908 (20,855)</b> | <b>14,061 (26,142)</b> | <b>85,866 (107,705)</b> |

Note: Figures in parentheses include multiple applications.

# Examinations

## Patents and utility models

(unit: cases)

| Category       |                | 2019  | 2020    | 2021    | 2022    | 2023           |                |
|----------------|----------------|---|---------|---------|---------|----------------|----------------|
| Patents        | Office Action  | Approval of registration                        | 9,637   | 11,483  | 12,900  | 12,851         | <b>12,019</b>  |
|                |                | Notice of preliminary rejection or amendment    | 158,527 | 170,299 | 164,312 | 155,927        | <b>160,912</b> |
|                |                | Other notices                                   | 1,613   | 1,990   | 1,709   | 504            | <b>514</b>     |
|                |                | Withdrawal or abandonment                       | 2,594   | 2,723   | 3,055   | 3,511          | <b>4,205</b>   |
|                |                | Total   | 172,371 | 186,495 | 181,976 | 172,793        | <b>177,650</b> |
|                | Final Decision | Approval of registration                        | 115,302 | 126,228 | 134,338 | 125,619        | <b>124,947</b> |
|                |                | Rejection or cancellation                       | 50,944  | 47,331  | 46,074  | 41,538         | <b>44,168</b>  |
|                |                | Withdrawal abandonment, annulment, or rejection | 3,914   | 3,997   | 4,298   | 5,335          | <b>6,421</b>   |
| Total          |                | 170,160   | 177,556 | 184,710 | 172,492 | <b>175,536</b> |                |
| Utility models | Office Action  | Approval of registration                        | 225     | 216     | 144     | 146            | <b>111</b>     |
|                |                | Notice of preliminary rejection or amendment    | 4,739   | 4,007   | 3,192   | 2,724          | <b>2,457</b>   |
|                |                | Other notices                                   | 21      | 14      | 8       | 6              | <b>5</b>       |
|                |                | Withdrawal or abandonment                       | 109     | 99      | 97      | 74             | <b>33</b>      |
|                |                | Total   | 5,094   | 4,336   | 3,441   | 2,950          | <b>2,606</b>   |
|                | Final Decision | Approval of registration                        | 2,329   | 1,994   | 1,801   | 1,419          | <b>1,280</b>   |
|                |                | Rejection or cancellation                       | 2,815   | 2,254   | 1,854   | 1,524          | <b>1,414</b>   |
|                |                | Withdrawal abandonment, annulment, or rejection | 217     | 174     | 152     | 118            | <b>62</b>      |
| Total          |                | 5,361   | 4,422   | 3,807   | 3,061   | <b>2,756</b>   |                |

## Designs and trademarks

(unit: cases)

| Category   |                |                                      | 2019              | 2020              | 2021              | 2022                     | 2023                     |
|------------|----------------|--------------------------------------|-------------------|-------------------|-------------------|--------------------------|--------------------------|
| Designs    | Office Action  | Publication/approval of registration | 31,029 (32,218)   | 31,232 (32,640)   | 36,682 (38,470)   | 34,907 (36,636)          | <b>30,406 (31,725)</b>   |
|            |                | Notice of preliminary rejection      | 29,303 (31,778)   | 27,068 (29,055)   | 28,415 (30,537)   | 26,783 (29,546)          | <b>23,169 (25,198)</b>   |
|            |                | Other notices                        | -                 | -                 | -                 | -                        | -                        |
|            | Total          |                                      | 60,332 (63,996)   | 58,300 (61,695)   | 65,097 (69,007)   | 61,690 (66,182)          | <b>53,575 (56,923)</b>   |
|            | Final Decision | Approval of registration             | 53,987 (56,989)   | 51,407 (54,101)   | 58,103 (61,383)   | 54,687 (57,883)          | <b>48,317 (51,473)</b>   |
|            |                | Rejection                            | 7,343 (8,055)     | 7,095 (7,776)     | 7,864 (8,396)     | 7,743 (8,406)            | <b>6,527 (7,131)</b>     |
| Total      |                | 61,330 (65,044)                      | 58,502 (61,877)   | 65,967 (69,779)   | 62,430 (66,289)   | <b>54,844 (58,604)</b>   |                          |
| Trademarks | Office Action  | Publication/approval of registration | 98,557 (112,244)  | 94,942 (108,405)  | 118,905 (133,969) | 133,505 (149,427)        | <b>160,149 (181,197)</b> |
|            |                | Notice of preliminary rejection      | 77,623 (116,298)  | 67,433 (99,287)   | 80,913 (113,232)  | 88,165 (123,366)         | <b>103,381 (148,228)</b> |
|            |                | Other notices                        | -                 | -                 | -                 | -                        | -                        |
|            | Total          |                                      | 176,180 (228,542) | 162,375 (207,692) | 199,818 (247,201) | 221,670 (272,793)        | <b>263,530 (329,425)</b> |
|            | Final Decision | Approval of registration             | 145,794 (187,392) | 133,882 (173,499) | 162,874 (201,381) | 167,261 (204,848)        | <b>221,979 (273,040)</b> |
|            |                | Rejection                            | 32,014 (41,658)   | 28,219 (37,267)   | 31,697 (39,962)   | 31,000 (38,996)          | <b>42,708 (54,565)</b>   |
| Total      |                | 177,808 (229,050)                    | 162,101 (210,766) | 194,571 (241,343) | 198,261 (243,844) | <b>264,687 (327,605)</b> |                          |

Note: Figures in parentheses include multiple applications.

**Average first office action pendency**

(unit: months)

| Category                 | 2019 | 2020 | 2021 | 2022 | 2023        |
|--------------------------|------|------|------|------|-------------|
| Patents / Utility models | 10.8 | 11.1 | 12.2 | 14.4 | <b>16.1</b> |
| Trademarks               | 6.8  | 8.9  | 10.8 | 13.9 | <b>13.1</b> |
| Designs                  | 5.4  | 4.6  | 5.2  | 4.8  | <b>4.0</b>  |

**Average total pendency**

(unit: months)

| Category                 | 2019 | 2020 | 2021 | 2022 | 2023        |
|--------------------------|------|------|------|------|-------------|
| Patents / Utility models | 15.6 | 15.8 | 16.0 | 18.4 | <b>20.1</b> |
| Trademarks               | 11.1 | 13.2 | 14.7 | 17.7 | <b>17.6</b> |
| Designs                  | 6.9  | 6.2  | 6.4  | 6.0  | <b>5.2</b>  |

**PCT international search reports and preliminary examinations undertaken by KIPO**

(unit: cases)

| Category                               | 2019   | 2020   | 2021   | 2022   | 2023          |
|--|--------|--------|--------|--------|---------------|
| International Search Reports           | 27,167 | 28,547 | 28,359 | 29,935 | <b>29,285</b> |
| International Preliminary Examinations | 131    | 100    | 124    | 105    | <b>118</b>    |

Note: Based on KIPO data

# Registrations

## Registrations by IPR type

(unit: cases)

| Category       | 2019    | 2020    | 2021    | 2022    | 2023    |
|----------------|---------|---------|---------|---------|---------|
| Patents        | 125,661 | 134,766 | 145,882 | 135,180 | 134,734 |
| Utility models | 2,417   | 2,056   | 1,817   | 1,452   | 1,249   |
| Subtotal       | 128,078 | 136,822 | 147,699 | 136,632 | 135,983 |
| Designs        | 52,850  | 50,694  | 57,545  | 54,775  | 49,291  |
| Trademarks     | 125,594 | 116,153 | 136,629 | 135,333 | 173,989 |
| Total          | 306,522 | 303,669 | 341,873 | 326,740 | 359,263 |

Note: Trademark registration renewals are excluded.

## Comparison of domestic and foreign registrations

(unit: cases)

| Category       |          |       | 2019    | 2020    | 2021    | 2022    | 2023    |
|----------------|----------|-------|---------|---------|---------|---------|---------|
| Patents        | Domestic | Cases | 94,852  | 103,881 | 110,351 | 99,202  | 99,315  |
|                |          | Ratio | 75.5%   | 77.1%   | 75.6%   | 73.4%   | 73.7%   |
|                | Foreign  | Cases | 30,809  | 30,885  | 35,531  | 35,978  | 35,419  |
|                |          | Ratio | 24.5%   | 22.9%   | 24.4%   | 26.6%   | 26.3%   |
|                | Total    |       | 125,661 | 134,766 | 145,882 | 135,180 | 134,734 |
| Utility models | Domestic | Cases | 2,238   | 1,842   | 1,618   | 1,288   | 1,098   |
|                |          | Ratio | 92.6%   | 89.6%   | 89.0%   | 88.7%   | 87.9%   |
|                | Foreign  | Cases | 179     | 214     | 199     | 164     | 151     |
|                |          | Ratio | 7.4%    | 10.4%   | 11.0%   | 11.3%   | 12.1%   |
|                | Total    |       | 2,417   | 2,056   | 1,817   | 1,452   | 1,249   |
| Designs        | Domestic | Cases | 46,011  | 45,169  | 50,878  | 47,518  | 42,019  |
|                |          | Ratio | 87.1%   | 89.1%   | 88.4%   | 86.8%   | 85.2%   |
|                | Foreign  | Cases | 6,839   | 5,525   | 6,667   | 7,257   | 7,272   |
|                |          | Ratio | 12.9%   | 10.9%   | 11.6%   | 13.2%   | 14.8%   |
|                | Total    |       | 52,850  | 50,694  | 57,545  | 54,775  | 49,291  |

(unit: cases)

| Category   |          |       | 2019    | 2020    | 2021    | 2022    | 2023           |
|------------|----------|-------|---------|---------|---------|---------|----------------|
| Trademarks | Domestic | Cases | 102,333 | 94,892  | 116,997 | 115,442 | <b>150,166</b> |
|            |          | Ratio | 81.5%   | 81.7%   | 85.6%   | 85.3%   | <b>86.3%</b>   |
|            | Foreign  | Cases | 23,261  | 21,261  | 19,632  | 19,891  | <b>23,823</b>  |
|            |          | Ratio | 18.5%   | 18.3%   | 14.4%   | 14.7%   | <b>13.7%</b>   |
|            | Total    |       | 125,594 | 116,153 | 136,629 | 135,333 | <b>173,989</b> |
| Total      | Domestic | Cases | 245,434 | 245,784 | 279,844 | 263,450 | <b>292,598</b> |
|            |          | Ratio | 80.1%   | 80.9%   | 81.9%   | 80.6%   | <b>81.4%</b>   |
|            | Foreign  | Cases | 61,088  | 57,885  | 62,029  | 63,290  | <b>66,665</b>  |
|            |          | Ratio | 19.9%   | 19.1%   | 18.1%   | 19.4%   | <b>18.6%</b>   |
|            | Total    |       | 306,522 | 303,669 | 341,873 | 326,740 | <b>359,263</b> |

## Patent and utility model registrations by technological field in 2023

(unit: cases)

| Classification                          | Patents  |         |               | Utility models |         |            |
|---|----------|---------|---------------|----------------|---------|------------|
|   | Domestic | Foreign | Subtotal      | Domestic       | Foreign | Subtotal   |
| Electrical machinery, apparatus, energy | 8,206    | 2,604   | <b>10,810</b> | 74             | 29      | <b>103</b> |
| Audio-visual technology                 | 4,273    | 1,227   | <b>5,500</b>  | 23             | 4       | <b>27</b>  |
| Telecommunications                      | 1,573    | 477     | <b>2,050</b>  | 8              | -       | <b>8</b>   |
| Digital communication                   | 3,013    | 1,739   | <b>4,752</b>  | -              | -       | <b>-</b>   |
| Basic communication processes           | 429      | 251     | <b>680</b>    | -              | -       | <b>-</b>   |
| Computer technology                     | 6,770    | 2,146   | <b>8,916</b>  | 3              | 4       | <b>7</b>   |
| IT methods for management               | 6,148    | 223     | <b>6,371</b>  | 5              | -       | <b>5</b>   |
| Semiconductors                          | 5,342    | 3,732   | <b>9,074</b>  | 6              | 8       | <b>14</b>  |
| Optics                                  | 2,499    | 1,676   | <b>4,175</b>  | 5              | 5       | <b>10</b>  |

(unit: cases)

| Classification                       | Patents  |         |          | Utility models |         |          |
|--------------------------------------|----------|---------|----------|----------------|---------|----------|
|                                      | Domestic | Foreign | Subtotal | Domestic       | Foreign | Subtotal |
| Measurement                          | 4,677    | 1,347   | 6,024    | 38             | 1       | 39       |
| Analysis of biological materials     | 309      | 164     | 473      | 2              | -       | 2        |
| Control                              | 2,179    | 321     | 2,500    | 20             | -       | 20       |
| Medical technology                   | 5,599    | 1,756   | 7,355    | 63             | 15      | 78       |
| Organic fine chemistry               | 2,354    | 1,615   | 3,969    | -              | -       | -        |
| Biotechnology                        | 1,617    | 1,259   | 2,876    | 2              | -       | 2        |
| Pharmaceuticals                      | 1,207    | 848     | 2,055    | -              | -       | -        |
| Macromolecular chemistry, polymers   | 1,036    | 1,393   | 2,429    | -              | -       | -        |
| Food chemistry                       | 2,161    | 137     | 2,298    | 6              | 2       | 8        |
| Basic materials chemistry            | 1,897    | 1,419   | 3,316    | 1              | -       | 1        |
| Materials, metallurgy                | 1,734    | 1,197   | 2,931    | 1              | -       | 1        |
| Surface technology, coating          | 1,279    | 1,214   | 2,493    | 7              | 2       | 9        |
| Micro-structural and nano-technology | 17       | 19      | 36       | -              | -       | -        |
| Chemical engineering                 | 2,286    | 800     | 3,086    | 31             | 6       | 37       |
| Environmental technology             | 1,912    | 286     | 2,198    | 12             | -       | 12       |
| Handling                             | 2,382    | 672     | 3,054    | 75             | 8       | 83       |
| Machine tools                        | 2,087    | 820     | 2,907    | 51             | 7       | 58       |
| Engines, pumps, turbines             | 1,365    | 642     | 2,007    | 14             | 3       | 17       |
| Textile and paper machines           | 903      | 510     | 1,413    | 5              | -       | 5        |
| Other special machines               | 3,604    | 1,084   | 4,688    | 109            | 2       | 111      |
| Thermal processes and apparatus      | 1,942    | 259     | 2,201    | 16             | 6       | 22       |
| Mechanical elements                  | 1,693    | 842     | 2,535    | 52             | 7       | 59       |
| Transport                            | 5,798    | 1,024   | 6,822    | 54             | 9       | 63       |
| Furniture, games                     | 2,736    | 431     | 3,167    | 162            | 18      | 180      |
| Other consumer goods                 | 3,023    | 926     | 3,949    | 121            | 13      | 134      |
| Civil engineering                    | 5,265    | 359     | 5,624    | 132            | 2       | 134      |
| Total                                | 99,315   | 35,419  | 134,734  | 1,098          | 151     | 1,249    |

Note: Figures for 2023 are preliminary.

## Patent registrations in biotechnology

(unit: cases)

| Category | 2019  |       | 2020  |       | 2021  |       | 2022  |       | 2023         |              |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|--------------|
|          | Cases | Ratio | Cases | Ratio | Cases | Ratio | Cases | Ratio | Cases        | Ratio        |
| Domestic | 4,534 | 78.4% | 4,969 | 79.0% | 4,913 | 76.4% | 3,481 | 67.9% | <b>3,845</b> | <b>68.2%</b> |
| Foreign  | 1,249 | 21.6% | 1,321 | 21.0% | 1,514 | 23.6% | 1,643 | 32.1% | <b>1,794</b> | <b>31.8%</b> |
| Total    | 5,783 | 100%  | 6,290 | 100%  | 6,427 | 100%  | 5,124 | 100%  | <b>5,639</b> | <b>100%</b>  |

Note1: Figures for 2023 are preliminary.

Note2: Based on the following biotechnological categories of the Eighth Edition of the International Patent Classification: A01H; A01K 67/00-67/04; A01N 63/00-65/00; A61K 8/97-8/99; A61K 8/64-8/68; A61K 35/12-35/76; 36/00-36/9068; A61K 38/00-38/58, 39/00-39/44, 48/00, 51/00-51/10; C02F; C07H 19/00-21/04; C07K; C12C-M; C12N; C12P; C12Q; C12S; G01N 33/50-33/98.

## Patent registrations in business methods

(unit: cases)

| Category | 2019  |       | 2020  |       | 2021  |       | 2022  |       | 2023         |              |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|--------------|
|          | Cases | Ratio | Cases | Ratio | Cases | Ratio | Cases | Ratio | Cases        | Ratio        |
| Domestic | 3,500 | 93.6% | 4,581 | 94.3% | 5,898 | 94.9% | 5,892 | 95.2% | <b>6,148</b> | <b>96.5%</b> |
| Foreign  | 241   | 6.4%  | 277   | 5.7%  | 316   | 5.1%  | 300   | 4.8%  | <b>223</b>   | <b>3.5%</b>  |
| Total    | 3,741 | 100%  | 4,858 | 100%  | 6,214 | 100%  | 6,192 | 100%  | <b>6,371</b> | <b>100%</b>  |

Note1: Figures for 2023 are preliminary.

Note2: Based on the Ninth Edition of the International Patent Classification.

## Registrations by resident of foreign countries/regions in 2023

(unit: cases)

| Countries/Regions        | Patents & Utility models |       | Designs  |       | Trademarks    |               | Total                  |
|--------------------------|--------------------------|-------|----------|-------|---------------|---------------|------------------------|
|                          | Domestic                 | PCT   | Domestic | Hague | Domestic      | Madrid        |                        |
| United States of America | 9,178                    | 1,071 | 1,735    | 299   | 2,892 (5,399) | 2,754 (4,927) | <b>17,929 (22,609)</b> |
| Japan                    | 9,650                    | 1,165 | 699      | 196   | 1,192 (2,068) | 1,199 (2,499) | <b>14,101 (16,277)</b> |
| China                    | 2,988                    | 352   | 1,012    | 478   | 5,053 (5,926) | 1,437 (2,541) | <b>11,320 (13,297)</b> |
| Germany                  | 2,499                    | 313   | 97       | 365   | 150 (284)     | 1,193 (3,374) | <b>4,617 (6,932)</b>   |
| Switzerland              | 1,020                    | 132   | 192      | 354   | 242 (403)     | 671 (1,810)   | <b>2,611 (3,911)</b>   |
| France                   | 1,071                    | 127   | 89       | 250   | 298 (473)     | 722 (1,733)   | <b>2,557 (3,743)</b>   |
| United Kingdom           | 791                      | 82    | 114      | 57    | 373 (756)     | 489 (1,334)   | <b>1,906 (3,134)</b>   |



(unit: cases)

| Countries/Regions         | Patents & Utility models |     | Designs  |       | Trademarks |             | Total                |
|---------------------------|--------------------------|-----|----------|-------|------------|-------------|----------------------|
|                           | Domestic                 | PCT | Domestic | Hague | Domestic   | Madrid      |                      |
| Netherlands               | 672                      | 84  | 169      | 220   | 55 (110)   | 212 (522)   | <b>1,412 (1,777)</b> |
| Italy                     | 365                      | 44  | 53       | 144   | 114 (173)  | 534 (1,113) | <b>1,254 (1,892)</b> |
| Taiwan, Province of China | 786                      | 87  | 56       | -     | 276 (393)  | -           | <b>1,205 (1,322)</b> |
| Sweden                    | 481                      | 48  | 136      | 33    | 51 (108)   | 248 (807)   | <b>997 (1,613)</b>   |
| Canada                    | 256                      | 28  | 39       | 22    | 184 (337)  | 170 (362)   | <b>699 (1,044)</b>   |
| Singapore                 | 145                      | 5   | 45       | 17    | 324 (459)  | 126 (264)   | <b>662 (935)</b>     |
| Australia                 | 125                      | 15  | 36       | -     | 115 (189)  | 316 (617)   | <b>607 (982)</b>     |
| Denmark                   | 143                      | 24  | 73       | 46    | 25 (73)    | 176 (431)   | <b>487 (790)</b>     |
| Israel                    | 249                      | 28  | 2        | 20    | 24 (31)    | 71 (132)    | <b>394 (462)</b>     |
| Spain                     | 91                       | 4   | 3        | 10    | 57 (78)    | 209 (361)   | <b>374 (547)</b>     |
| Belgium                   | 189                      | 19  | 12       | 12    | 37 (41)    | 104 (221)   | <b>373 (494)</b>     |
| Austria                   | 202                      | 16  | 1        | 4     | 10 (28)    | 100 (291)   | <b>333 (542)</b>     |
| Finland                   | 197                      | 15  | -        | 14    | 20 (70)    | 86 (278)    | <b>332 (574)</b>     |
| Luxembourg                | 97                       | 8   | 17       | 1     | 47 (60)    | 57 (113)    | <b>227 (296)</b>     |
| Ireland                   | 95                       | 11  | 7        | 4     | 35 (72)    | 67 (125)    | <b>219 (314)</b>     |
| Norway                    | 73                       | 8   | -        | 21    | 11 (25)    | 68 (188)    | <b>181 (315)</b>     |
| New Zealand               | 31                       | 4   | 23       | -     | 39 (60)    | 83 (179)    | <b>180 (297)</b>     |
| Russian Federation        | 36                       | 5   | 1        | 4     | 14 (23)    | 74 (205)    | <b>134 (274)</b>     |
| India                     | 68                       | 4   | 1        | -     | 27 (45)    | 31 (56)     | <b>131 (174)</b>     |
| Turkiye                   | 18                       | 2   | -        | 3     | 13 (20)    | 55 (83)     | <b>91 (126)</b>      |
| Thailand                  | 31                       | 1   | 3        | -     | 38 (52)    | 8 (16)      | <b>81 (103)</b>      |
| Poland                    | 22                       | 2   | -        | 6     | 6 (7)      | 36 (88)     | <b>72 (125)</b>      |
| United Arab Emirates      | 11                       | -   | -        | -     | 52 (78)    | 6 (9)       | <b>69 (98)</b>       |
| Viet Nam                  | 2                        | -   | -        | 7     | 20 (23)    | 36 (56)     | <b>65 (88)</b>       |
| Cayman Islands            | 19                       | 5   | -        | -     | 38 (101)   | 3 (3)       | <b>65 (128)</b>      |
| Malaysia                  | 8                        | 2   | 1        | 4     | 28 (34)    | 16 (21)     | <b>59 (70)</b>       |
| Czech Republic            | 18                       | 2   | -        | 3     | 2 (9)      | 29 (121)    | <b>54 (153)</b>      |
| Liechtenstein             | 19                       | 2   | -        | 2     | 3 (8)      | 25 (79)     | <b>51 (110)</b>      |
| Saudi Arabia              | 29                       | 2   | -        | -     | 19 (39)    | -           | <b>50 (70)</b>       |
| Brazil                    | 16                       | 3   | 7        | -     | 13 (44)    | 6 (9)       | <b>45 (79)</b>       |
| Portugal                  | 15                       | 1   | -        | -     | 10 (12)    | 18 (29)     | <b>44 (57)</b>       |
| Barbados                  | 22                       | 2   | -        | -     | 7 (12)     | 7 (54)      | <b>38 (90)</b>       |
| Mexico                    | 4                        | -   | 1        | -     | 23 (32)    | 9 (9)       | <b>37 (46)</b>       |

(unit: cases)

| Countries/Regions   | Patents & Utility models |     | Designs  |       | Trademarks |         | Total           |
|---|--------------------------|-----|----------|-------|------------|---------|-----------------|
|   | Domestic                 | PCT | Domestic | Hague | Domestic   | Madrid  |                 |
| Cyprus  | 5                        | -   | -        | -     | 6 (9)      | 26 (91) | <b>37 (105)</b> |
| Chile   | 2                        | -   | -        | -     | 34 (41)    | -       | <b>36 (43)</b>  |
| Antigua and Barbuda   | 23                       | 6   | -        | -     | -          | -       | <b>29 (29)</b>  |
| South Africa  | 7                        | 1   | -        | -     | 20 (24)    | -       | <b>28 (32)</b>  |
| Malta   | 10                       | -   | -        | -     | 8 (18)     | 7 (22)  | <b>25 (50)</b>  |
| Iceland   | -                        | -   | 22       | -     | -          | 2 (6)   | <b>24 (28)</b>  |
| Bulgaria  | 1                        | -   | 3        | 1     | 6 (6)      | 13 (27) | <b>24 (38)</b>  |
| Philippines   | 3                        | -   | 1        | -     | 6 (10)     | 14 (33) | <b>24 (47)</b>  |
| Slovenia  | 4                        | 1   | -        | 6     | -          | 11 (24) | <b>22 (35)</b>  |
| Indonesia   | -                        | -   | -        | -     | 17 (21)    | 5 (17)  | <b>22 (38)</b>  |
| Hungary   | 6                        | 5   | -        | 2     | 1 (3)      | 8 (14)  | <b>22 (30)</b>  |
| Seychelles  | 1                        | 1   | -        | -     | 15 (15)    | 4 (5)   | <b>21 (22)</b>  |
| Greece  | 9                        | -   | -        | 2     | 1 (3)      | 7 (11)  | <b>19 (25)</b>  |
| Virgin Islands (British)  | 1                        | -   | -        | -     | 10 (19)    | 6 (9)   | <b>17 (29)</b>  |
| Lithuania   | 3                        | -   | -        | -     | 3 (5)      | 9 (15)  | <b>15 (23)</b>  |
| Argentina   | -                        | -   | -        | -     | 15 (15)    | -       | <b>15 (15)</b>  |
| Panama  | -                        | -   | -        | 4     | 7 (20)     | 1 (11)  | <b>12 (35)</b>  |
| Mauritius   | 1                        | -   | 1        | -     | 8 (12)     | -       | <b>10 (14)</b>  |
| Mongolia  | -                        | -   | 1        | -     | 9 (11)     | -       | <b>10 (12)</b>  |
| The Hong Kong Special Administrative Region of the People's Republic of China | 1                        | -   | -        | -     | 9 (11)     | -       | <b>10 (12)</b>  |
| Kazakhstan  | -                        | -   | -        | -     | 5 (5)      | 4 (10)  | <b>9 (15)</b>   |
| Bermuda   | 2                        | -   | -        | -     | 2 (2)      | 5 (11)  | <b>9 (15)</b>   |
| Ukraine   | 1                        | -   | 1        | -     | -          | 6 (9)   | <b>8 (11)</b>   |
| Estonia   | 1                        | -   | -        | -     | 2 (14)     | 5 (13)  | <b>8 (28)</b>   |
| Slovakia  | 2                        | -   | -        | 1     | -          | 4 (4)   | <b>7 (7)</b>    |
| Croatia   | -                        | -   | -        | 1     | -          | 5 (5)   | <b>6 (6)</b>    |
| Samoa   | -                        | -   | -        | -     | 6 (7)      | -       | <b>6 (7)</b>    |
| Morocco   | -                        | -   | -        | -     | -          | 6 (165) | <b>6 (165)</b>  |
| Namibia   | -                        | -   | -        | -     | -          | 6 (6)   | <b>6 (6)</b>    |
| Sri Lanka   | 1                        | -   | -        | -     | 2 (3)      | 3 (3)   | <b>6 (7)</b>    |
| Pakistan  | 1                        | 1   | 2        | -     | 1 (1)      | -       | <b>5 (5)</b>    |
| Colombia  | 1                        | -   | -        | -     | 3 (4)      | 1 (1)   | <b>5 (6)</b>    |
| Jersey(U.K.)  | 3                        | -   | -        | -     | -          | 2 (4)   | <b>5 (7)</b>    |
| Kyrgyzstan  | -                        | -   | 1        | -     | 3 (3)      | -       | <b>4 (4)</b>    |
| Egypt   | -                        | -   | -        | -     | 4 (9)      | -       | <b>4 (9)</b>    |
| Georgia   | -                        | -   | -        | -     | -          | 4 (4)   | <b>4 (4)</b>    |
| Monaco  | -                        | -   | -        | -     | -          | 4 (6)   | <b>4 (6)</b>    |

(unit: cases)

| Countries/Regions          | Patents & Utility models |              | Designs      |              | Trademarks             |                        | Total                  |
|----------------------------|--------------------------|--------------|--------------|--------------|------------------------|------------------------|------------------------|
|                            | Domestic                 | PCT          | Domestic     | Hague        | Domestic               | Madrid                 |                        |
| Romania                    | 2                        | -            | -            | -            | -                      | 2 (6)                  | 4 (8)                  |
| Latvia                     | -                        | -            | -            | -            | -                      | 4 (8)                  | 4 (8)                  |
| Andorra                    | -                        | -            | -            | -            | -                      | 4 (10)                 | 4 (10)                 |
| Isle of Man                | -                        | -            | -            | -            | 3 (17)                 | -                      | 3 (17)                 |
| Bahamas                    | -                        | -            | -            | -            | 2 (2)                  | 1 (1)                  | 3 (3)                  |
| San Marino                 | 1                        | -            | -            | -            | -                      | 2 (3)                  | 3 (4)                  |
| Peru                       | 1                        | -            | -            | -            | 2 (2)                  | -                      | 3 (3)                  |
| Kuwait                     | -                        | -            | -            | -            | 3 (7)                  | -                      | 3 (7)                  |
| Qatar                      | -                        | -            | -            | -            | 1 (6)                  | 2 (5)                  | 3 (11)                 |
| Uzbekistan                 | -                        | -            | -            | -            | 3 (3)                  | -                      | 3 (3)                  |
| Costa Rica                 | -                        | 1            | -            | -            | 2 (2)                  | -                      | 3 (3)                  |
| Cuba                       | 2                        | -            | -            | -            | 1 (1)                  | -                      | 3 (3)                  |
| Serbia                     | -                        | -            | -            | -            | -                      | 3 (8)                  | 3 (8)                  |
| Nigeria                    | -                        | -            | 1            | -            | 1 (2)                  | -                      | 2 (3)                  |
| Belize                     | 2                        | -            | -            | -            | -                      | -                      | 2 (2)                  |
| Gibraltar                  | -                        | -            | -            | -            | -                      | 2 (9)                  | 2 (9)                  |
| Macao                      | 1                        | -            | -            | -            | 1 (1)                  | -                      | 2 (2)                  |
| Republic of Moldova        | -                        | -            | -            | -            | -                      | 2 (3)                  | 2 (3)                  |
| Iran (Islamic Republic of) | -                        | -            | -            | -            | -                      | 2 (3)                  | 2 (3)                  |
| Jordan                     | -                        | -            | -            | -            | 2 (5)                  | -                      | 2 (5)                  |
| Curacao                    | -                        | -            | -            | -            | -                      | 2 (6)                  | 2 (6)                  |
| Belarus                    | -                        | -            | -            | -            | -                      | 2 (2)                  | 2 (2)                  |
| Bahrain                    | -                        | -            | -            | -            | 2 (2)                  | -                      | 2 (2)                  |
| Saint Kitts and Nevis      | -                        | -            | -            | -            | 2 (2)                  | -                      | 2 (2)                  |
| Burundi                    | -                        | -            | 1            | -            | -                      | -                      | 1 (1)                  |
| Bangladesh                 | -                        | -            | 1            | -            | -                      | -                      | 1 (1)                  |
| Azerbaijan                 | -                        | -            | -            | -            | 1 (1)                  | -                      | 1 (1)                  |
| Uruguay                    | -                        | -            | -            | -            | 1 (1)                  | -                      | 1 (1)                  |
| Puerto Rico                | -                        | -            | -            | -            | 1 (2)                  | -                      | 1 (2)                  |
| Nepal                      | -                        | -            | -            | -            | 1 (1)                  | -                      | 1 (1)                  |
| Lebanon                    | -                        | -            | -            | -            | 1 (1)                  | -                      | 1 (1)                  |
| Fiji                       | -                        | -            | -            | -            | 1 (3)                  | -                      | 1 (3)                  |
| Libyan Arab Jamahiriya     | -                        | -            | -            | -            | 1 (1)                  | -                      | 1 (1)                  |
| Syrian Arab Republic       | -                        | -            | -            | -            | -                      | 1 (1)                  | 1 (1)                  |
| Palau                      | -                        | -            | -            | -            | 1 (1)                  | -                      | 1 (1)                  |
| Niger                      | 1                        | -            | -            | -            | -                      | -                      | 1 (1)                  |
| Armenia                    | -                        | -            | -            | -            | -                      | 1 (1)                  | 1 (1)                  |
| Others                     | -                        | -            | -            | -            | -                      | 1 (1)                  | 1 (1)                  |
| <b>Total</b>               | <b>31,831</b>            | <b>3,739</b> | <b>4,659</b> | <b>2,613</b> | <b>12,173 (18,509)</b> | <b>11,650 (25,653)</b> | <b>66,665 (87,004)</b> |

Note: Figures in parentheses include multiple applications

# Trials and Appeals

## Requests for trial and appeal

(unit: cases)

| Category   |                | 2019          | 2020          | 2021          | 2022          | 2023                 |
|--|----------------|---------------|---------------|---------------|---------------|----------------------|
| Appeal against examiner's decision to reject application | Patents        | 2,820         | 2,110         | 2,196 (2,196) | 1,589 (1,589) | <b>1,700 (1,700)</b> |
|  | Utility models | 128           | 59            | 33 (33)       | 28 (28)       | <b>22 (22)</b>       |
|  | Designs        | 58            | 50            | 49 (49)       | 41 (41)       | <b>39 (39)</b>       |
|  | Trademarks     | 1,330 (1,868) | 1,021 (1,615) | 1,104 (1,724) | 748 (1,115)   | <b>1,073 (1,563)</b> |
|  | Subtotal       | 4,336 (4,874) | 3,240 (3,834) | 3,382 (4,002) | 2,406 (2,773) | <b>2,834 (3,324)</b> |
| Appeals against examiner's decision to dismiss amendment | Patents        | -             | -             | -             | -             | -                    |
|  | Utility models | -             | -             | -             | -             | -                    |
|  | Designs        | -             | -             | 1 (1)         | -             | <b>1 (1)</b>         |
|  | Trademarks     | 3             | -             | 1 (1)         | 1 (1)         | -                    |
|  | Subtotal       | 3             | -             | 2 (2)         | 1 (1)         | <b>1 (1)</b>         |
| Appeals against examiner's decision of cancellation      | Patents        | -             | -             | -             | -             | -                    |
|  | Utility models | -             | -             | -             | -             | -                    |
|  | Designs        | 3             | 3             | 3 (3)         | 1 (1)         | <b>2 (2)</b>         |
|  | Trademarks     | -             | -             | -             | -             | -                    |
|  | Subtotal       | 3             | 3             | 3 (3)         | 1 (1)         | <b>2 (2)</b>         |
| Trials for correction                                    | Patents        | 127           | 119           | 150 (150)     | 109 (109)     | <b>125 (125)</b>     |
|  | Utility models | 2             | 3             | 4 (4)         | -             | <b>1 (1)</b>         |
|  | Designs        | -             | -             | -             | -             | -                    |
|  | Trademarks     | -             | -             | -             | -             | -                    |
|  | Subtotal       | 129           | 122           | 154 (154)     | 109 (109)     | <b>126 (126)</b>     |
| Invalidation   | Patents        | 478           | 383           | 408 (408)     | 374 (374)     | <b>336 (336)</b>     |
|  | Utility models | 15            | 20            | 12 (12)       | 11 (11)       | <b>14 (14)</b>       |
|  | Designs        | 215           | 188           | 152 (152)     | 160 (160)     | <b>151 (151)</b>     |
|  | Trademarks     | 472 (541)     | 372 (433)     | 291 (342)     | 264 (323)     | <b>231 (282)</b>     |
|  | Subtotal       | 1,180 (1,249) | 963 (1,024)   | 863 (914)     | 809 (868)     | <b>732 (783)</b>     |

(unit: cases)

| Category                                      |                | 2019           | 2020          | 2021          | 2022          | 2023                 |
|---|----------------|----------------|---------------|---------------|---------------|----------------------|
| Trials to confirm scope of IP right           | Patents        | 348            | 374           | 445 (445)     | 300 (300)     | <b>770 (770)</b>     |
|   | Utility models | 21             | 17            | 11 ( 11)      | 14 (14)       | <b>11 (11)</b>       |
|   | Designs        | 136            | 169           | 155 (155)     | 142 (142)     | <b>123 (123)</b>     |
|   | Trademarks     | 103 (123)      | 108 (129)     | 112 (123)     | 88 (104)      | <b>132 (138)</b>     |
|   | Subtotal       | 608 (628)      | 668 (689)     | 723 (734)     | 544 (560)     | <b>1,036 (1,042)</b> |
| Cancellation trials on trademark registration | Patents        | -              | -             | -             | -             | -                    |
|   | Utility models | -              | -             | -             | -             | -                    |
|   | Designs        | -              | -             | -             | -             | -                    |
|   | Trademarks     | 2,574 (3,193)  | 2,497 (3,003) | 2,395 (2,827) | 2,411 (2,802) | <b>2,459 (2,782)</b> |
|   | Subtotal       | 2,574 (3,193)  | 2,497 (3,003) | 2,395 (2,827) | 2,411 (2,802) | <b>2,459 (2,782)</b> |
| Opposition of patent/<br>utility model        | Patents        | 174            | 146           | 154 (154)     | 149 (149)     | <b>186 (186)</b>     |
|   | Utility models | 1              | 9             | 6 (6)         | 2 (2)         | <b>1 (1)</b>         |
|   | Designs        | -              | -             | -             | -             | -                    |
|   | Trademarks     | -              | -             | -             | -             | -                    |
|   | Subtotal       | 175            | 155           | 160 (160)     | 151 (151)     | <b>187 (187)</b>     |
| Grand total                                   | Patents        | 3,947          | 3,132         | 3,353 (3,353) | 2,521 (2,521) | <b>3,117 (3,117)</b> |
|   | Utility models | 167            | 108           | 66 (66)       | 55 (55)       | <b>49 (49)</b>       |
|   | Designs        | 412            | 410           | 360 (360)     | 344 (344)     | <b>316 (316)</b>     |
|   | Trademarks     | 4,482 (5,728)  | 3,998 (5,180) | 3,903 (5,017) | 3,512 (4,345) | <b>3,895 (4,765)</b> |
|   | Grand total    | 9,008 (10,254) | 7,648 (8,830) | 7,682 (8,796) | 6,432 (7,265) | <b>7,377 (8,247)</b> |

Note1: Figures in parentheses include multiple applications.

Note2: Opposition of patents / Utility model has been enforced from March, 2017

\* Rejection refers to appeals against examiners' decisions of refusal and appeals against examiners' decisions to dismiss utility models.

\*\* Invalidation refers to invalidation trials and trials for invalidation of corrections.

## Successful petitions

(unit: cases)

| Category     |                | 2019             |                | 2020             |                | 2021             |                | 2022             |                | 2022             |                |
|--------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|
|              |                | Acceptance       | Ratio          | Acceptance       | Ratio          | Acceptance       | Ratio          | Acceptance       | Ratio          | Acceptance       | Ratio          |
| Ex partes    | Patents        | 1,977            | 36.3           | 1,341            | 39.9           | 1,008            | 36.8           | 747              | 33.2           | 578              | 29.9           |
|              | Utility models | 48               | 24.2           | 45               | 24.9           | 16               | 28.1           | 11               | 29.7           | 7                | 25.0           |
|              | Designs        | 27               | 32.5           | 20               | 40.8           | 8                | 26.7           | 27               | 33.8           | 9                | 29.0           |
|              | Trademarks     | 1,017<br>(1,607) | 55.2<br>(60.4) | 693<br>(1,063)   | 55.9<br>(60.4) | 536<br>(884)     | 57.0<br>(61.0) | 456<br>(733)     | 56.0<br>(56.9) | 477<br>(821)     | 55.4<br>(64.0) |
|              | Subtotal       | 3,069<br>(3,659) | 40.5<br>(43.6) | 2,099<br>(2,469) | 43.4<br>(46.1) | 1,568<br>(1,916) | 41.6<br>(44.8) | 1,241<br>(1,518) | 39.0<br>(41.5) | 1,071<br>(1,415) | 37.5<br>(43.2) |
| Inter partes | Patents        | 653              | 53.4           | 382              | 42.8           | 361              | 47.5           | 382              | 52.0           | 355              | 52.4           |
|              | Utility models | 16               | 35.6           | 8                | 24.2           | 13               | 37.1           | 10               | 45.5           | 11               | 37.9           |
|              | Designs        | 142              | 48.3           | 140              | 53.8           | 141              | 46.2           | 154              | 46.7           | 177              | 51.8           |
|              | Trademarks     | 2,753<br>(3,173) | 74.0<br>(73.6) | 1,877<br>(2,351) | 70.6<br>(72.4) | 2,268<br>(2,627) | 78.8<br>(79.1) | 1,792<br>(2,030) | 77.7<br>(77.4) | 2,463<br>(2,718) | 81.9<br>(81.5) |
|              | Subtotal       | 3,564<br>(3,984) | 67.5<br>(67.8) | 2,407<br>(2,881) | 62.6<br>(65.0) | 2,783<br>(3,142) | 69.9<br>(71.1) | 2,338<br>(2,576) | 68.9<br>(69.5) | 3,006<br>(3,261) | 74.1<br>(74.4) |
| Grand total  | Patents        | 2,630            | 39.4           | 1,723            | 40.5           | 1,369            | 39.1           | 1,129            | 37.8           | 933              | 35.7           |
|              | Utility models | 64               | 26.3           | 53               | 24.8           | 29               | 31.5           | 21               | 35.6           | 18               | 31.6           |
|              | Designs        | 169              | 44.8           | 160              | 51.8           | 149              | 44.5           | 181              | 44.1           | 186              | 49.9           |
|              | Trademarks     | 3,770<br>(4,780) | 67.8<br>(68.5) | 2,570<br>(3,414) | 65.9<br>(68.2) | 2,804<br>(3,511) | 73.4<br>(73.6) | 2,248<br>(2,763) | 72.0<br>(70.6) | 2,940<br>(3,539) | 76.0<br>(76.6) |
|              | Total          | 6,633<br>(7,643) | 51.6<br>(53.6) | 4,506<br>(5,350) | 51.9<br>(54.7) | 4,351<br>(5,058) | 56.2<br>(58.1) | 3,579<br>(4,094) | 54.4<br>(55.6) | 4,077<br>(4,676) | 59.0<br>(61.0) |

Note1: Figures in parentheses include multiple applications.

Note2: The successful petitions refer to the number of petitions granted. These figures exclude cases where the registration was decided on the basis of an examiner's reconsideration before a trial and invalidation of a patent process. The figures in parentheses indicate the percentage of the petitions granted.

· Ex partes: Appeals against examiners' decisions of refusal / Appeals against examiners' decisions of cancellation / Appeals against examiners' decisions to dismiss amendments / Trials for correction

· Inter partes: Invalidation trials / Trials to confirm scope of IP rights / Trials for invalidation of correction / Trials for granting non-exclusive licenses / Trials for invalidation of registrations for extension of patent right term / Trials for invalidation of registration for renewals of trademark right term / Cancellation trials on trademark registrations / Cancellation trials on registrations of exclusive or non-exclusive licenses / Trials for invalidation on registrations for conversion of classification of goods

### Comparison of domestic and foreign trial requests

(unit: cases)

| Category       |          | 2019  | 2020  | 2021  | 2022  | 2023  |
|----------------|----------|-------|-------|-------|-------|-------|
| Patents        | Domestic | 2,545 | 2,064 | 2,293 | 1,633 | 2164  |
|                | Foreign  | 1,402 | 1,068 | 1,060 | 888   | 953   |
| Utility models | Domestic | 164   | 102   | 63    | 51    | 48    |
|                | Foreign  | 3     | 6     | 3     | 4     | 1     |
| Designs        | Domestic | 381   | 386   | 337   | 323   | 286   |
|                | Foreign  | 31    | 24    | 23    | 21    | 30    |
| Trademarks     | Domestic | 2,939 | 2,780 | 2,726 | 2,512 | 2,807 |
|                | Foreign  | 1,543 | 1,218 | 1,177 | 1,000 | 1,088 |
| Total          |          | 9,008 | 7,648 | 7,682 | 6,432 | 7,377 |

Note: Multiple applications for trademarks and designs are treated as single applications.

## Income and Expenditures / KIPO Staff

### Income

(unit: USD)

| Category                                   | 2019        | 2020        | 2021        | 2022        | 2023               |
|--|-------------|-------------|-------------|-------------|--------------------|
| Income from fees                           | 443,443,731 | 484,871,681 | 533,627,760 | 471,906,646 | <b>475,832,558</b> |
| Income carried over from the previous year | 17,542,755  | 9,997,345   | 48,094,637  | 78,923,259  | <b>45,039,535</b>  |
| Internal income and others                 | 115,788,238 | 109,041,593 | 70,221,721  | 116,525,316 | <b>139,237,984</b> |
| Total                                      | 576,774,723 | 603,910,619 | 651,945,020 | 667,356,804 | <b>660,110,078</b> |

### Expenditures

(unit: USD)

| Category                           | 2019        | 2020        | 2021        | 2022        | 2023               |
|------------------------------------|-------------|-------------|-------------|-------------|--------------------|
| Non-personnel resources (projects) | 413,003,996 | 400,492,035 | 426,200,090 | 477,916,930 | <b>503,641,085</b> |
| Personnel resources                | 116,951,668 | 122,678,761 | 130,149,617 | 119,738,924 | <b>120,303,101</b> |
| Deposit for special fund           | 37,046,713  | 33,516,814  | 5,680,937   | 23,734,177  | <b>23,255,814</b>  |
| Total                              | 567,002,377 | 556,687,611 | 562,030,644 | 621,390,823 | <b>647,200,000</b> |

### KIPO staff

(unit: number of positions)

| Category              | 2019                       | 2020  | 2021  | 2022  | 2023         |            |
|-----------------------|----------------------------|-------|-------|-------|--------------|------------|
| Examiners             | Patents and utility models | 818   | 830   | 861   | 876          | <b>876</b> |
|                       | Designs and trademarks     | 195   | 198   | 194   | 214          | <b>213</b> |
| Administrative judges | 107                        | 107   | 107   | 107   | <b>106</b>   |            |
| Administrative staff  | 621                        | 632   | 649   | 597   | <b>596</b>   |            |
| Total                 | 1,741                      | 1,767 | 1,811 | 1,804 | <b>1,791</b> |            |

### Academic and professional credentials of KIPO examiners

(unit: number of staff)

| Category  | Ph. D                      | Master's degrees | Patent attorney certificate only | Lawyer certificate only | Professional engineer certificate only |
|-----------|----------------------------|------------------|----------------------------------|-------------------------|--|
| Examiners | Patents and utility models | 279              | 143                              | 27                      | 19                                     |
|           | Trademarks                 | 6                | 9                                | 4                       | 0                                      |
|           | Designs                    | 3                | 6                                | 0                       | 0                                      |
|           | Total                      | <b>288</b>       | <b>158</b>                       | <b>31</b>               | <b>4</b>                               |