

**Table 1-1 Patent Statistics**

|                                        | Application | Pre-grant Publication | Patent Granted | Rejection | Invalidation |
|----------------------------------------|-------------|-----------------------|----------------|-----------|--------------|
| 2012                                   | 85,073      | 51,592                | 56,610         | 21,874    | 828          |
| 2013                                   | 83,211      | 52,126                | 72,148         | 27,371    | 660          |
| 2014                                   | 78,014      | 48,720                | 76,255         | 25,522    | 616          |
| 2015                                   | 73,627      | 47,367                | 78,094         | 22,496    | 604          |
| 2016                                   | 72,442      | 44,355                | 76,406         | 16,317    | 548          |
| Q1, 2016                               | 16,649      | 11,716                | 19,093         | 4,346     | 124          |
| Q2, 2016                               | 17,845      | 10,835                | 19,758         | 4,130     | 132          |
| Q3, 2016                               | 18,121      | 11,341                | 17,811         | 3,972     | 128          |
| Q4, 2016                               | 19,827      | 10,463                | 19,744         | 3,869     | 164          |
| Q1, 2017                               | 17,670      | 11,560                | 17,923         | 2,946     | 113          |
| Q1, 2017<br>compared to<br>Q1, 2016(%) | 6           | -1                    | -6             | -32       | -9           |

**Table 1-2 The Number of Patent Applications-Residents and Non-Residents**

|                                        | Total  |           |               | Invention |           |               | Utility Model |           |               | Design   |           |               |
|----------------------------------------|--------|-----------|---------------|-----------|-----------|---------------|---------------|-----------|---------------|----------|-----------|---------------|
|                                        | Total  | Residents | Non-Residents | Subtotal  | Residents | Non-Residents | Subtotal      | Residents | Non-Residents | Subtotal | Residents | Non-Residents |
| 2012                                   | 85,073 | 52,515    | 32,558        | 51,189    | 23,077    | 28,112        | 25,636        | 24,427    | 1,209         | 8,248    | 5,011     | 3,237         |
| 2013                                   | 83,211 | 50,714    | 32,497        | 49,218    | 21,730    | 27,488        | 25,025        | 23,837    | 1,188         | 8,968    | 5,147     | 3,821         |
| 2014                                   | 78,014 | 45,868    | 32,146        | 46,378    | 19,054    | 27,324        | 23,488        | 22,135    | 1,353         | 8,148    | 4,679     | 3,469         |
| 2015                                   | 73,627 | 41,869    | 31,758        | 44,415    | 17,282    | 27,133        | 21,404        | 20,138    | 1,266         | 7,808    | 4,449     | 3,359         |
| 2016                                   | 72,442 | 40,443    | 31,999        | 43,836    | 16,866    | 26,970        | 20,161        | 18,998    | 1,163         | 8,445    | 4,579     | 3,866         |
| Q1, 2016                               | 16,649 | 8,826     | 7,823         | 10,306    | 3,505     | 6,801         | 4,551         | 4,291     | 260           | 1,792    | 1,030     | 762           |
| Q2, 2016                               | 17,845 | 10,192    | 7,653         | 10,316    | 3,942     | 6,374         | 5,376         | 5,065     | 311           | 2,153    | 1,185     | 968           |
| Q3, 2016                               | 18,121 | 10,026    | 8,095         | 10,849    | 4,066     | 6,783         | 5,045         | 4,720     | 325           | 2,227    | 1,240     | 987           |
| Q4, 2016                               | 19,827 | 11,399    | 8,428         | 12,365    | 5,353     | 7,012         | 5,189         | 4,922     | 267           | 2,273    | 1,124     | 1,149         |
| Q1, 2017                               | 17,670 | 9,138     | 8,532         | 11,174    | 3,769     | 7,405         | 4,659         | 4,408     | 251           | 1,837    | 961       | 876           |
| Q1, 2017<br>compared to<br>Q1, 2016(%) | 6      | 4         | 9             | 8         | 8         | 9             | 2             | 3         | -3            | 3        | -7        | 15            |

**Table 1-3 Patents Granted to Residents and Non-Residents**

|                                        | Total  |           |               | Invention |           |               | Utility Model |           |               | Design   |           |               |
|----------------------------------------|--------|-----------|---------------|-----------|-----------|---------------|---------------|-----------|---------------|----------|-----------|---------------|
|                                        | Total  | Residents | Non-Residents | Subtotal  | Residents | Non-Residents | Subtotal      | Residents | Non-Residents | Subtotal | Residents | Non-Residents |
| 2012                                   | 56,610 | 39,645    | 16,965        | 25,536    | 12,177    | 13,359        | 24,643        | 23,528    | 1,115         | 6,431    | 3,940     | 2,491         |
| 2013                                   | 72,148 | 47,534    | 24,614        | 40,251    | 19,572    | 20,679        | 24,847        | 23,670    | 1,177         | 7,050    | 4,292     | 2,758         |
| 2014                                   | 76,255 | 47,848    | 28,407        | 45,603    | 21,340    | 24,263        | 23,713        | 22,486    | 1,227         | 6,939    | 4,022     | 2,917         |
| 2015                                   | 78,090 | 46,486    | 31,604        | 48,318    | 21,438    | 26,880        | 22,106        | 20,790    | 1,316         | 7,666    | 4,258     | 3,408         |
| 2016                                   | 76,406 | 43,971    | 32,435        | 48,947    | 21,178    | 27,769        | 19,793        | 18,608    | 1,185         | 7,666    | 4,185     | 3,481         |
| Q1, 2016                               | 19,093 | 10,630    | 8,463         | 12,553    | 5,243     | 7,310         | 4,674         | 4,405     | 269           | 1,866    | 982       | 884           |
| Q2, 2016                               | 19,758 | 11,681    | 8,077         | 12,380    | 5,530     | 6,850         | 5,227         | 4,941     | 286           | 2,151    | 1,210     | 941           |
| Q3, 2016                               | 17,811 | 10,246    | 7,565         | 11,320    | 4,874     | 6,446         | 4,739         | 4,417     | 322           | 1,752    | 955       | 797           |
| Q4, 2016                               | 19,744 | 11,414    | 8,330         | 12,694    | 5,531     | 7,163         | 5,153         | 4,845     | 308           | 1,897    | 1,038     | 859           |
| Q1, 2017                               | 17,923 | 9,796     | 8,127         | 12,130    | 5,053     | 7,077         | 4,178         | 3,926     | 252           | 1,615    | 817       | 798           |
| Q1, 2017<br>compared to<br>Q1, 2016(%) | -6     | -8        | -4            | -3        | -4        | -3            | -11           | -11       | -6            | -13      | -17       | -10           |

**Table 1-4 Patent Statistics-Opposition and Invalidation**

|                                     | Opposition |           |        | Invalidation |           |                   |        |
|-------------------------------------|------------|-----------|--------|--------------|-----------|-------------------|--------|
|                                     | Total      | Sustained | Denied | Total        | Sustained | Partial Sustained | Denied |
| 2012                                | 5          | 3         | 2      | 932          | 484       | -                 | 448    |
| 2013                                | 0          | 0         | 0      | 879          | 429       | 113               | 337    |
| 2014                                | 1          | 0         | 1      | 834          | 365       | 140               | 329    |
| 2015                                | 0          | 0         | 0      | 656          | 298       | 103               | 255    |
| 2016                                | 0          | 0         | 0      | 677          | 277       | 100               | 300    |
| Q1, 2016                            | 0          | 0         | 0      | 167          | 79        | 26                | 62     |
| Q2, 2016                            | 0          | 0         | 0      | 177          | 85        | 15                | 77     |
| Q3, 2016                            | 0          | 0         | 0      | 162          | 55        | 24                | 83     |
| Q4, 2016                            | 0          | 0         | 0      | 171          | 58        | 35                | 78     |
| Q1, 2017                            | 0          | 0         | 0      | 163          | 75        | 15                | 73     |
| Q1, 2017 compared<br>to Q1, 2016(%) | --         | --        | --     | -2           | -5        | -42               | 18     |

**Table1-5 Patent Administrative Remedies -Filed and Reversed**

|                                        | Total |                         | Appeals |                         | Administrative Suits |                         |
|----------------------------------------|-------|-------------------------|---------|-------------------------|----------------------|-------------------------|
|                                        | Filed | TIPO Decisions Reversed | Filed   | TIPO Decisions Reversed | Filed                | TIPO Decisions Reversed |
| 2012                                   | 512   | 50                      | 386     | 29                      | 126                  | 21                      |
| 2013                                   | 577   | 67                      | 444     | 39                      | 133                  | 28                      |
| 2014                                   | 548   | 35                      | 426     | 22                      | 122                  | 13                      |
| 2015                                   | 494   | 51                      | 367     | 19                      | 127                  | 32                      |
| 2016                                   | 417   | 44                      | 313     | 16                      | 104                  | 28                      |
| Q1, 2016                               | 82    | 15                      | 60      | 6                       | 22                   | 9                       |
| Q2, 2016                               | 114   | 10                      | 90      | 3                       | 24                   | 7                       |
| Q3, 2016                               | 109   | 8                       | 79      | 4                       | 30                   | 4                       |
| Q4, 2016                               | 112   | 11                      | 84      | 3                       | 28                   | 8                       |
| Q1, 2017                               | 88    | 7                       | 65      | 3                       | 23                   | 4                       |
| Q1, 2017<br>compared to Q1,<br>2016(%) | 7     | -53                     | 8       | -50                     | 5                    | -56                     |

**Table 1-6 Invention Patent Applications by Country of Origin (Foreign)**

| Rank | Country of Origin        | Q1    |       |                          |
|------|--------------------------|-------|-------|--------------------------|
|      |                          | 2017  | 2016  | 2017 compared to 2016(%) |
| 1    | Japan                    | 3,540 | 3,375 | 5                        |
| 2    | United States of America | 1,604 | 1,645 | -2                       |
| 3    | Mainland China           | 425   | 264   | 61                       |
| 4    | Hong Kong                | 417   | 74    | 464                      |
| 5    | South Korea              | 401   | 416   | -4                       |
| 6    | Germany                  | 282   | 313   | -10                      |
| 7    | Netherlands              | 95    | 105   | -10                      |
| 8    | Switzerland              | 87    | 87    | 0                        |
| 9    | United Kingdom           | 81    | 49    | 65                       |
| 10   | France                   | 60    | 77    | -22                      |

**Table 1-7 Residents Invention Patent Applications**

| Rank | Applicant                                       | Q1   |      |                                |
|------|-------------------------------------------------|------|------|--------------------------------|
|      |                                                 | 2017 | 2016 | 2017<br>compared to<br>2016(%) |
| 1    | TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY LTD. | 132  | 31   | 326                            |
| 2    | MEDIATEK INC.                                   | 83   | 12   | 592                            |
| 3    | HON HAI PRECISION INDUSTRY CO., LTD.            | 78   | 48   | 63                             |
| 4    | ACER INCORPORATED                               | 61   | 50   | 22                             |
| 5    | AU OPTRONICS CORPORATION                        | 58   | 74   | -22                            |
| 6    | PRIMAX ELECTRONICS LTD.                         | 46   | 16   | 188                            |
| 7    | INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE        | 42   | 53   | -21                            |
| 8    | SILICON MOTION, INC.                            | 39   | 19   | 105                            |
| 9    | WINBOND ELECTRONICS CORP.                       | 33   | 25   | 32                             |
| 10   | NATIONAL TSING HUA UNIVERSITY                   | 30   | 27   | 11                             |

**Table 1-8 Non-Residents Invention Patent Applications**

| Rank | Applicant                                 | Nationality | Q1   |      |                          |
|------|-------------------------------------------|-------------|------|------|--------------------------|
|      |                                           |             | 2017 | 2016 | 2017 compared to 2016(%) |
| 1    | ALIBABA GROUP SERVICES LIMITED            | HK          | 372  | 38   | 879                      |
| 2    | INTEL CORPORATION                         | US          | 159  | 151  | 5                        |
| 3    | QUALCOMM INCORPORATED                     | US          | 144  | 150  | -4                       |
| 4    | TOKYO ELECTRON LIMITED                    | JP          | 99   | 86   | 15                       |
| 4    | SEMICONDUCTOR ENERGY LABORATORY CO., LTD. | JP          | 98   | 105  | -7                       |
| 6    | TOSHIBA CORPORATION                       | JP          | 93   | 122  | -24                      |
| 7    | APPLIED MATERIALS, INC.                   | US          | 84   | 72   | 17                       |
| 8    | NITTO DENKO CORPORATION                   | JP          | 74   | 70   | 6                        |
| 9    | FUJIFILM CORPORATION                      | JP          | 73   | 74   | -1                       |
| 10   | GLOBALFOUNDRIES US INC.                   | US          | 68   | 37   | 84                       |

**Table 2 IC Layout - Filed and Certificates Issued**

|                                     | Filed | Certificates Issued |
|-------------------------------------|-------|---------------------|
| 2012                                | 160   | 124                 |
| 2013                                | 146   | 87                  |
| 2014                                | 86    | 195                 |
| 2015                                | 113   | 120                 |
| 2015                                | 114   | 133                 |
| Q1, 2016                            | 49    | 37                  |
| Q2, 2016                            | 32    | 46                  |
| Q3, 2016                            | 6     | 34                  |
| Q4, 2016                            | 27    | 16                  |
| Q1, 2017                            | 26    | 16                  |
| Q1, 2017 compared to<br>Q1, 2016(%) | -47   | -57                 |

**Table 3-1 Trademark Statistics**

|                                        | Application | Application<br>( no. of<br>classes ) | Registration | Registration<br>( no. of<br>classes ) | Rejection | Opposition | Invalidation | Revocation | Renewal | License | Assignment |
|----------------------------------------|-------------|--------------------------------------|--------------|---------------------------------------|-----------|------------|--------------|------------|---------|---------|------------|
| 2012                                   | 74,357      | 95,435                               | 61,918       | 78,816                                | 8,724     | 1,009      | 345          | 570        | 35,547  | 1,077   | 9,188      |
| 2013                                   | 74,031      | 94,958                               | 60,557       | 78,618                                | 8,581     | 955        | 225          | 513        | 42,536  | 1,046   | 9,299      |
| 2014                                   | 75,933      | 97,776                               | 66,257       | 84,781                                | 7,641     | 868        | 213          | 627        | 39,624  | 859     | 7,327      |
| 2015                                   | 78,523      | 101,327                              | 62,993       | 81,703                                | 7,692     | 780        | 210          | 669        | 41,471  | 930     | 8,998      |
| 2016                                   | 79,300      | 101,331                              | 68,177       | 88,274                                | 8,956     | 822        | 187          | 515        | 43,030  | 763     | 9,469      |
| Q1, 2016                               | 18,033      | 23,366                               | 14,753       | 18,994                                | 2,138     | 229        | 39           | 112        | 11,194  | 155     | 2,408      |
| Q2, 2016                               | 20,236      | 25,167                               | 15,783       | 20,371                                | 2,145     | 166        | 44           | 113        | 11,769  | 189     | 2,565      |
| Q3, 2016                               | 19,874      | 25,615                               | 17,496       | 22,981                                | 2,300     | 203        | 54           | 115        | 10,356  | 231     | 2,200      |
| Q4, 2016                               | 21,157      | 27,183                               | 20,145       | 25,928                                | 2,373     | 224        | 50           | 175        | 9,711   | 188     | 2,296      |
| Q1, 2017                               | 18976       | 24446                                | 16345        | 21634                                 | 2342      | 257        | 57           | 149        | 12097   | 199     | 2315       |
| Q1, 2017<br>compared to<br>Q1, 2016(%) | 5           | 5                                    | 11           | 14                                    | 10        | 12         | 46           | 33         | 8       | 28      | -4         |

Note : Multi-class applications became possible from 28 November 2003.

**Table 3-2 Trademark Application & Registration - Residents and Non-Residents**

|                                        | Applications |           |               | Registrations |           |               |
|----------------------------------------|--------------|-----------|---------------|---------------|-----------|---------------|
|                                        | Total        | Residents | Non-residents | Total         | Residents | Non-residents |
| 2012                                   | 74,357       | 55,696    | 18,661        | 61,918        | 45,659    | 16,259        |
| 2013                                   | 74,031       | 55,338    | 18,693        | 60,557        | 44,174    | 16,383        |
| 2014                                   | 75,933       | 56,217    | 19,716        | 66,257        | 48,728    | 17,529        |
| 2015                                   | 78,523       | 57,356    | 21,167        | 62,993        | 45,233    | 17,760        |
| 2016                                   | 79,300       | 57,548    | 21,752        | 68,177        | 48,828    | 19,349        |
| Q1, 2016                               | 18,033       | 12,890    | 5,143         | 14,753        | 10,693    | 4,060         |
| Q2, 2016                               | 20,236       | 14,794    | 5,442         | 15,783        | 11,545    | 4,238         |
| Q3, 2016                               | 19,874       | 14,513    | 5,361         | 17,496        | 12,310    | 5,186         |
| Q4, 2016                               | 21,157       | 15,351    | 5,806         | 20,145        | 14,280    | 5,865         |
| Q1, 2017                               | 18,976       | 14,097    | 4,879         | 16,345        | 11,432    | 4,913         |
| Q1, 2017<br>compared to Q1,<br>2016(%) | 5            | 9         | -5            | 11            | 7         | 21            |

**Table 3-3 Trademark Opposition & Invalidation**

|                                        | Opposition |           |        | Invalidation |           |        |
|----------------------------------------|------------|-----------|--------|--------------|-----------|--------|
|                                        | Total      | Sustained | Denied | Total        | Sustained | Denied |
| 2012                                   | 501        | 324       | 177    | 200          | 130       | 70     |
| 2013                                   | 798        | 421       | 377    | 246          | 116       | 130    |
| 2014                                   | 692        | 427       | 265    | 183          | 108       | 75     |
| 2015                                   | 647        | 470       | 177    | 182          | 122       | 60     |
| 2016                                   | 658        | 426       | 232    | 157          | 116       | 41     |
| Q1, 2016                               | 169        | 105       | 64     | 44           | 37        | 7      |
| Q2, 2016                               | 161        | 110       | 51     | 40           | 31        | 9      |
| Q3, 2016                               | 172        | 118       | 54     | 37           | 29        | 8      |
| Q4, 2016                               | 156        | 93        | 63     | 36           | 19        | 17     |
| Q1, 2017                               | 131        | 82        | 49     | 29           | 25        | 4      |
| Q1, 2017<br>compared to Q1,<br>2016(%) | -22        | -22       | -23    | -34          | -32       | -43    |

Note: The figures are based on number of cases being disposed. This table only presents the sustained and denied cases, ignoring rejection, revocation and other types of rejection.

**Table 3-4 Trademark Administrative Remedies- Filed and Reversed**

|                                  | Total |                         | Administrative Appeal |                         | Proceedings |                         |
|----------------------------------|-------|-------------------------|-----------------------|-------------------------|-------------|-------------------------|
|                                  | Filed | TIPO Decisions Reversed | Filed                 | TIPO Decisions Reversed | Filed       | TIPO Decisions Reversed |
| 2012                             | 1,027 | 74                      | 835                   | 38                      | 192         | 37                      |
| 2013                             | 968   | 91                      | 811                   | 73                      | 157         | 32                      |
| 2014                             | 975   | 164                     | 787                   | 99                      | 162         | 28                      |
| 2015                             | 881   | 61                      | 722                   | 33                      | 159         | 28                      |
| 2016                             | 846   | 36                      | 688                   | 19                      | 158         | 17                      |
| Q1, 2016                         | 226   | 10                      | 173                   | 5                       | 53          | 5                       |
| Q2, 2016                         | 215   | 7                       | 174                   | 4                       | 41          | 3                       |
| Q3, 2016                         | 188   | 11                      | 153                   | 5                       | 35          | 6                       |
| Q4, 2016                         | 217   | 8                       | 188                   | 5                       | 29          | 3                       |
| Q1, 2017                         | 217   | 16                      | 194                   | 12                      | 23          | 4                       |
| Q1, 2017 compared to Q1, 2016(%) | -4    | 60                      | 12                    | 140                     | -57         | -20                     |

Note:

1. Since 2005, the statistics of "Administrative Appeal" are based on figures published by the Petitions and Appeals Committee, MOEA.
2. Since July 1, 2008, the statistics of "Administrative Proceedings" are based on figures provided by the Intellectual Property Court. "TIPO Decisions Reversed" include the suits that "plaintiff won" and "partly won and partly lost". The MOEA decisions of administrative appeal being reversed are also included.
3. While the 2008 statistics of "Administrative Appeal" are from January to December, as the Intellectual Property Court was established on July 1, 2008, the 2008 statistics of "Administrative Proceedings" are from July to December.

**Table 3-5 Trademark Applications by Country of Origin**

| Rank | Country of Origin        | Q4     |        |                                |
|------|--------------------------|--------|--------|--------------------------------|
|      |                          | 2017   | 2016   | 2017<br>compared to<br>2016(%) |
| 1    | Republic of China        | 14,097 | 12,890 | 9                              |
| 2    | Mainland China           | 934    | 1,110  | -16                            |
| 3    | Japan                    | 877    | 879    | -0.2                           |
| 4    | United States of America | 802    | 966    | -17                            |
| 5    | South Korea              | 304    | 317    | -4                             |
| 6    | Hong Kong                | 296    | 361    | -18                            |
| 7    | France                   | 212    | 136    | 56                             |
| 8    | Germany                  | 173    | 205    | -16                            |
| 9    | Switzerland              | 165    | 111    | 49                             |
| 10   | United Kingdom           | 117    | 137    | -15                            |

**Table 4 Verification of Copyright Licensing Documents**

|                                  | Total  | Head Office | Inspection Center |             |          |           |
|----------------------------------|--------|-------------|-------------------|-------------|----------|-----------|
|                                  |        |             | Subtotal          | CKS Airport | Taichung | Kaohsiung |
| 2012                             | 39,530 | 39,530      | -                 | -           | -        | -         |
| 2013                             | 35,475 | 35,475      | -                 | -           | -        | -         |
| 2014                             | 33,227 | 33,227      | -                 | -           | -        | -         |
| 2015                             | 28,218 | 28,218      | -                 | -           | -        | -         |
| 2016                             | 26,416 | 26,416      | -                 | -           | -        | -         |
| Q1, 2016                         | 6,414  | 6,414       | -                 | -           | -        | -         |
| Q2, 2016                         | 6,501  | 6,501       | -                 | -           | -        | -         |
| Q3, 2016                         | 6,535  | 6,535       | -                 | -           | -        | -         |
| Q4, 2016                         | 6,966  | 6,966       | -                 | -           | -        | -         |
| Q1, 2017                         | 3,620  | 3,620       | -                 | -           | -        | -         |
| Q1, 2017 compared to Q1, 2016(%) | -44    | -44         | -                 | -           | -        | -         |

Note :

1.CKS Inspection Center was evacuated on July 1, 2004

2. The inspection affairs have been accepted only through internet since Sep. 1, 2007; electronic filing service is not offered in Taichung and Kaohsiung Branch Office.

**Table 5 The Joint Optical Disk Enforcement Taskforce (JODE), Ministry of Economic Affairs**

|                                  | Times to Inspect | Number of Cases Found Violating the OD Law | Number of Plants Closed |                      | Number of Cases Prosecuted | Number of Administrative Disposition | Number of Machines Seized |             |
|----------------------------------|------------------|--------------------------------------------|-------------------------|----------------------|----------------------------|--------------------------------------|---------------------------|-------------|
|                                  |                  |                                            | Order to close          | Unforced termination |                            |                                      | Seized                    | confiscated |
| 2012                             | 699              | -                                          | -                       | 2                    | -                          | -                                    | -                         | -           |
| 2013                             | 700              | -                                          | -                       | -                    | -                          | -                                    | -                         | -           |
| 2014                             | 660              | -                                          | -                       | -                    | -                          | -                                    | -                         | -           |
| 2015                             | 444              | -                                          | -                       | -                    | -                          | -                                    | -                         | -           |
| 2016                             | 331              | -                                          | -                       | -                    | -                          | -                                    | -                         | -           |
| Q1, 2016                         | 75               | -                                          | -                       | -                    | -                          | -                                    | -                         | -           |
| Q2, 2016                         | 81               | -                                          | -                       | -                    | -                          | -                                    | -                         | -           |
| Q3, 2016                         | 88               | -                                          | -                       | -                    | -                          | -                                    | -                         | -           |
| Q4, 2016                         | 87               | -                                          | -                       | -                    | -                          | -                                    | -                         | -           |
| Q1, 2017                         | 73               | -                                          | -                       | -                    | -                          | -                                    | -                         | -           |
| Q1, 2017 compared to Q1, 2016(%) | -3               | -                                          | -                       | -                    | -                          | -                                    | -                         | -           |