

## Trilateral Statistics

Trilateral Offices Genegal Informaition

### Budget

| Office              | Post                                 | 1996   | 1997   | 1998   | 1999   | 2000    | 2001    | 2002    |
|---------------------|--------------------------------------|--------|--------|--------|--------|---------|---------|---------|
| EPO<br>(mio EURO)   | Personnel Expenses                   | 684    | 687    | 741    | 818    | 877     | 981     | 610     |
|                     | Building Expenses                    | 88     | 88     | 60     | 67     | 79      | 99      | 50      |
|                     | Data Processing                      | 101    | 68     | 68     | 78     | 87      | 105     | 72      |
|                     | Patent Information                   | 21     | 27     | 30     | 25     | 30      | 28      | 28      |
|                     | Financial Expenses                   | 40     | 26     | 15     | 15     | 3       | 2       | 35      |
|                     | Other                                | 85     | 86     | 90     | 69     | 90      | 96      |         |
|                     | TOTAL                                |        | 1,019  | 982    | 1,004  | 1,072   | 1,166   | 1,311   |
| JPO<br>(mio Yen)    | Personnel Expenses                   | 27,180 | 28,513 | 28,932 | 29,381 | 29,196  | 28,829  | 29,350  |
|                     | Computerization of Patent Processing | 27,598 | 30,474 | 32,132 | 34,384 | 35,661  | 35,625  | 28,063  |
|                     | Examinations and Appeals             | 8,717  | 10,177 | 8,900  | 4,844  | 12,819  | 16,999  | 23,928  |
|                     | Patent Protection                    | 6,029  | 3,829  | 12,700 | 9,792  | 2,810   | 2,041   | 6,454   |
|                     | Developing the Patent Markets        | 2,221  | 3,264  | 2,502  | 6,304  | 9,196   | 6,199   | 5,716   |
|                     | International Protection of IPRs     |        | 7,968  | 3,283  | 4,633  | 5,753   | 2,011   | 2,494   |
|                     | NCIP in Operating Subsidies          |        |        |        |        |         |         | 5,502   |
|                     | Other                                | 7,255  | 2,875  | 6,651  | 9,962  | 8,665   | 15,667  | 9,354   |
| TOTAL               |                                      | 79,000 | 87,100 | 95,100 | 99,300 | 104,100 | 107,371 | 110,861 |
| USPTO<br>(mio US\$) | Salaries and Benefits                | 340    | 353    | 396    | 453    | 518     | 571     | 646     |
|                     | Equipment                            | 96     | 42     | 67     | 47     | 52      | 76      | 68      |
|                     | Rent and Utilities                   | 59     | 72     | 58     | 77     | 86      | 84      | 82      |
|                     | Printing                             | 33     | 40     | 49     | 64     | 56      | 77      | 76      |
|                     | Supplies and Materials               | 12     | 8      | 9      | 7      | 8       | 9       | 10      |
|                     | Contracts / Services                 | 159    | 192    | 186    | 211    | 251     | 259     | 206     |
|                     | Other                                | 2      | 2      | 3      | 4      | 7       | 3       | 8       |
|                     | TOTAL                                |        | 701    | 709    | 768    | 863     | 978     | 1,079   |

## Trilateral Statistics

Trilateral Offices Genegal Informaition  
Staff

| Office | Type               | 1996  | 1997  | 1998  | 1999  | 2000  | 2001  | 2002  |
|--------|--------------------|-------|-------|-------|-------|-------|-------|-------|
| EPO    | Patent Examination | 1,851 | 1,943 | 2,116 | 2,382 | 2,653 | 2,917 | 3,157 |
|        | Appeal             | 78    | 78    | 82    | 101   | 107   | 114   | 116   |
|        | Other              | 1,742 | 1,732 | 1,829 | 1,818 | 1,953 | 2,038 | 2,148 |
|        | TOTAL              | 3,671 | 3,753 | 4,027 | 4,301 | 4,713 | 5,069 | 5,421 |
| JPO    | Patent Examination | 1,073 | 1,070 | 1,078 | 1,084 | 1,088 | 1,096 | 1,105 |
|        | Appeal             | 358   | 377   | 383   | 389   | 391   | 393   | 395   |
|        | Other              | 1,090 | 1,082 | 1,070 | 1,061 | 1,045 | 980   | 970   |
|        | TOTAL              | 2,521 | 2,529 | 2,531 | 2,534 | 2,524 | 2,469 | 2,470 |
| USPTO  | Patent Examination | 2,434 | 2,158 | 2,594 | 2,940 | 3,143 | 3,165 | 3,489 |
|        | Appeal             | 84    | 81    | 86    | 102   | 117   | 114   | 2,366 |
|        | Other              | 2,714 | 2,975 | 3,090 | 3,221 | 3,134 | 3,280 | 866   |
|        | TOTAL              | 5,232 | 5,214 | 5,770 | 6,263 | 6,394 | 6,559 | 6,721 |

## Trilateral Statistics

Trilateral Offices Genegal Informaiton

### Production figures

| Office                    |                              |                      | 1996     | 1997    | 1998    | 1999    | 2000    | 2001    | 2002    |         |
|---------------------------|------------------------------|----------------------|----------|---------|---------|---------|---------|---------|---------|---------|
| EPO                       | Searches carried out         | European             | 40,125   | 42,121  | 48,875  | 52,577  | 53,807  | 51,220  | 58,213  |         |
|                           |                              | PCT                  | 27,082   | 32,176  | 39,390  | 44,974  | 56,242  | 56,307  | 68,421  |         |
|                           |                              | Other                | 18,086   | 18,510  | 18,644  | 18,255  | 17,974  | 19,909  | 17,896  |         |
|                           |                              | TOTAL                | 85,293   | 92,807  | 106,909 | 115,806 | 128,023 | 127,436 | 144,530 |         |
|                           | Examinations (Final actions) | European             | 52,862   | 45,982  | 45,935  | 40,903  | 45,881  | 55,284  | 66,086  |         |
|                           |                              | PCT Ch II            | 15,680   | 19,785  | 25,039  | 28,996  | 35,519  | 41,020  | 49,438  |         |
|                           |                              | Opposition           | 2,331    | 2,198   | 2,469   | 2,318   | 2,351   | 2,091   | 1,934   |         |
|                           |                              | TOTAL                | 70,873   | 67,965  | 73,443  | 72,217  | 83,751  | 98,395  | 117,458 |         |
|                           | Appeals                      | Technical            | 862      | 902     | 954     | 1,060   | 1,139   | 1,170   | 1,336   |         |
|                           |                              | PCT                  | 5        | 9       | 8       | 10      | 17      | 24      | 19      |         |
|                           |                              | Other                | 44       | 52      | 63      | 49      | 51      | 58      | 48      |         |
|                           |                              | TOTAL                | 911      | 963     | 1,025   | 1,119   | 1,207   | 1,252   | 1,403   |         |
|                           | JPO                          | Searches carried out | Domestic | 340,101 | 350,807 | 359,381 | 360,180 | 387,364 | 386,767 | 369,458 |
| Foreign                   |                              |                      | 36,514   | 40,765  | 42,551  | 45,475  | 49,501  | 52,408  | 51,586  |         |
| TOTAL                     |                              |                      | 376,615  | 391,572 | 401,932 | 405,655 | 436,865 | 439,175 | 421,044 |         |
| Grants                    |                              | Domestic             | 187,681  | 129,937 | 125,704 | 133,960 | 112,269 | 109,375 | 108,515 |         |
|                           |                              | Foreign              | 27,419   | 17,749  | 15,774  | 16,099  | 13,611  | 12,367  | 11,503  |         |
|                           |                              | TOTAL                | 215,100  | 147,686 | 141,478 | 150,059 | 125,880 | 121,742 | 120,018 |         |
| Applications in appeal    |                              |                      | 13,667   | 13,742  | 14,157  | 14,650  | 16,498  | 19,962  | 21,847  |         |
| Applications in oppsition |                              |                      | -        | -       | -       | -       | -       | 3,536   | 3,150   |         |
| USPTO                     | First actions                |                      | 174,843  | 187,978 | 209,180 | 230,326 | 238,438 | 249,649 | 271,624 |         |
|                           | PCT Ch II                    |                      | 8,945    | 11,671  | 13,030  | 13,744  | 15,443  | 18,179  | 17,505  |         |
|                           | Appeals                      | Contested            |          | 3,500   | 4,328   | 3,889   | 3,961   | 2,860   | 3,762   | 3,252   |
|                           |                              | Disposed             |          | 3,067   | 2,911   | 4,286   | 4,689   | 5,134   | 4,978   | 4,851   |
|                           |                              | Not allowed          |          | 2,297   | 1,953   | -       | -       | -       | -       | -       |
|                           |                              | Pending              |          | 6,042   | 7,852   | 8,908   | 8,180   | -       | -       | -       |
|                           | Interference                 | Contested            |          | 116     | 282     | 165     | 78      | 137     | 126     | 108     |
|                           |                              | Disposed             |          | 135     | 124     | 191     | 187     | 189     | 180     | 155     |
|                           |                              | Pending              |          | 314     | 296     | 425     | 316     | -       | -       | -       |
|                           | Litigation                   | Cases filed          |          | 53      | 51      | 51      | 69      | 60      | 49      | 49      |
| Cases disposed            |                              |                      | 61       | 71      | 40      | 78      | 49      | 62      | 55      |         |
| Cases pending             |                              |                      | 34       | 36      | 47      | 38      | 49      | 40      | 33      |         |

## Trilateral Statistics

World-wide Patent activity

### Patent applications filling by bloc of origin and type

| Origin | Type                | 1996    | 1997    | 1998    | 1999    | 2000    | 2001    |
|--------|---------------------|---------|---------|---------|---------|---------|---------|
| EPO    | National            | 181,520 | 164,290 | 189,183 | 198,111 | 206,853 | 207,999 |
|        | Regional            | 21,183  | 24,103  | 26,340  | 27,381  | 29,355  | 29,954  |
|        | International (PCT) | 18,994  | 22,481  | 26,915  | 30,617  | 34,120  | 39,672  |
|        | TOTAL               | 221,697 | 210,874 | 242,438 | 256,109 | 270,328 | 277,625 |
| JPO    | National            | 403,657 | 407,626 | 431,224 | 427,895 | 464,731 | 476,036 |
|        | Regional            | 9,667   | 10,543  | 10,821  | 11,050  | 12,564  | 14,166  |
|        | International (PCT) | 3,861   | 4,845   | 6,098   | 7,255   | 9,402   | 11,846  |
|        | TOTAL               | 417,185 | 423,014 | 448,143 | 446,200 | 486,697 | 502,048 |
| USPTO  | National            | 153,381 | 160,820 | 191,642 | 203,361 | 223,697 | 232,699 |
|        | Regional            | 9,350   | 9,584   | 10,542  | 10,232  | 10,838  | 6,482   |
|        | International (PCT) | 20,828  | 22,736  | 28,356  | 29,463  | 38,171  | 40,003  |
|        | TOTAL               | 183,559 | 193,140 | 230,540 | 243,056 | 272,706 | 279,184 |
| Others | National            | 169,128 | 172,670 | 162,407 | 171,555 | 205,723 | 223,828 |
|        | Regional            | 1,058   | 1,397   | 1,682   | 1,787   | 2,197   | 2,295   |
|        | International (PCT) | 3,608   | 4,360   | 5,638   | 6,688   | 9,255   | 12,426  |
|        | TOTAL               | 173,794 | 178,427 | 169,727 | 180,030 | 217,175 | 238,549 |

## Trilateral Statistics

World-wide Patent activity

### Demand for Patent Rights by Bloc of Origin , Filling Bloc and Type

| Origin              | Type                | Filling Bloc | 1996       | 1997      | 1998      | 1999      | 2000      | 2001       |           |
|---------------------|---------------------|--------------|------------|-----------|-----------|-----------|-----------|------------|-----------|
| EPC states          | National            | EPC states   | 111,249    | 111,656   | 115,526   | 121,336   | 124,931   | 182,960    |           |
|                     |                     | Japan        | 8,190      | 8,151     | 7,984     | 7,862     | 7,623     | 7,071      |           |
|                     |                     | USA          | 30,910     | 25,202    | 23,982    | 30,033    | 33,388    | 38,946     |           |
|                     |                     | Others       | 31,171     | 25,367    | 42,135    | 38,880    | 40,911    | 40,214     |           |
|                     | Regional            | EPC states   | 174,561    | 327,045   | 460,888   | 486,476   | 527,441   | 561,405    |           |
|                     |                     | Others       | 119        | 226       | 113       | 160,562   | 173,283   | 146,169    |           |
|                     | International (PCT) | EPC states   | 368,359    | 450,336   | 560,519   | 680,312   | 795,074   | 1,073,591  |           |
|                     |                     | Japan        | 15,631     | 18,475    | 22,304    | 25,666    | 29,641    | 35,184     |           |
|                     |                     | USA          | 16,200     | 19,176    | 22,957    | 26,288    | 28,844    | 33,896     |           |
|                     |                     | Others       | 454,631    | 627,344   | 906,783   | 1,164,752 | 1,618,131 | 2,136,855  |           |
|                     | Total               |              |            | 1,211,021 | 1,612,978 | 2,163,191 | 2,742,167 | 3,379,267  | 4,256,291 |
|                     | Japan               | National     | EPC states | 5,365     | 6,023     | 5,595     | 5,350     | 5,776      | 5,554     |
|                     |                     |              | Japan      | 339,045   | 349,211   | 357,379   | 357,531   | 384,201    | 382,815   |
| USA                 |                     |              | 39,510     | 39,165    | 40,947    | 42,900    | 47,666    | 55,503     |           |
| Others              |                     |              | 19,737     | 13,227    | 27,303    | 22,114    | 27,088    | 32,109     |           |
| Regional            |                     | EPC states   | 40,745     | 121,432   | 181,736   | 189,936   | 216,951   | 268,295    |           |
|                     |                     | Others       | 5          | 2         | 2         | 62,332    | 70,817    | 80,134     |           |
| International (PCT) |                     | EPC states   | 53,839     | 72,324    | 97,078    | 115,070   | 163,712   | 252,102    |           |
|                     |                     | Japan        | 1,816      | 2,276     | 2,959     | 3,563     | 4,678     | 5,575      |           |
|                     |                     | USA          | 3,646      | 4,612     | 5,819     | 6,882     | 8,920     | 11,075     |           |
|                     |                     | Others       | 28,048     | 50,019    | 73,469    | 101,319   | 202,819   | 355,742    |           |
| Total               |                     |              | 531,756    | 658,291   | 792,287   | 906,997   | 1,132,628 | 1,448,904  |           |
| USA                 |                     | National     | EPC states | 5,487     | 5,962     | 5,536     | 5,948     | 6,426      | 6,877     |
|                     |                     |              | Japan      | 9,412     | 9,261     | 9,359     | 8,843     | 9,466      | 9,131     |
|                     | USA                 |              | 101,901    | 119,214   | 132,767   | 146,581   | 161,786   | 174,979    |           |
|                     | Others              |              | 31,590     | 26,383    | 43,980    | 41,989    | 45,497    | 41,583     |           |
|                     | Regional            | EPC states   | 59,234     | 122,140   | 171,359   | 176,568   | 187,853   | 200,448    |           |
|                     |                     | Others       | 246        | 416       | 515       | 56,738    | 59,857    | 57,982     |           |
|                     | International (PCT) | EPC states   | 434,573    | 499,816   | 641,923   | 720,656   | 986,420   | 1,280,814  |           |
|                     |                     | Japan        | 19,063     | 21,213    | 26,376    | 27,630    | 36,454    | 38,619     |           |
|                     |                     | USA          | 4,991      | 6,594     | 8,575     | 9,812     | 13,796    | 15,928     |           |
|                     |                     | Others       | 576,486    | 780,017   | 1,166,001 | 1,392,768 | 2,286,740 | 2,726,602  |           |
|                     | Total               |              |            | 1,242,983 | 1,591,016 | 2,206,391 | 2,587,533 | 3,794,295  | 4,552,963 |
|                     | Others              | National     | EPC states | 4,673     | 5,059     | 4,608     | 3,904     | 4,218      | 4,255     |
|                     |                     |              | Japan      | 3,433     | 3,932     | 3,937     | 3,374     | 3,983      | 4,418     |
| USA                 |                     |              | 17,875     | 18,524    | 22,205    | 25,621    | 28,207    | 32,793     |           |
| Others              |                     |              | 142,787    | 138,587   | 131,575   | 138,746   | 168,108   | 10,768     |           |
| Regional            |                     | EPC states   | 7,943      | 16,477    | 26,290    | 29,051    | 36,130    | 41,908     |           |
|                     |                     | Others       | 211        | 210       | 140       | 9,541     | 13,482    | 12,409     |           |
| International (PCT) |                     | EPC states   | 110,205    | 134,577   | 177,468   | 208,619   | 284,981   | 466,680    |           |
|                     |                     | Japan        | 4,661      | 5,455     | 7,077     | 7,776     | 10,158    | 13,808     |           |
|                     |                     | USA          | 3,395      | 4,205     | 5,535     | 6,589     | 9,166     | 12,537     |           |
|                     |                     | Others       | 155,030    | 219,973   | 339,454   | 434,509   | 709,849   | 1,023,556  |           |
| Total               |                     |              | 450,213    | 546,999   | 718,289   | 867,730   | 1,268,282 | 1,623,132  |           |
| TOTAL               |                     |              | 3,435,973  | 4,409,284 | 5,880,158 | 7,104,427 | 9,574,472 | 11,881,290 |           |

## Trilateral Statistics

World-wide Patent Activity

### Granted Patent Rights by Granting Bloc and Procedure

| Granting Bloc | Procedure     | 1996    | 1997    | 1998    | 1999    | 2000    | 2001    |
|---------------|---------------|---------|---------|---------|---------|---------|---------|
| EPC states    | National      | 59,874  | 67,352  | 66,046  | 55,294  | 51,508  | 42,114  |
|               | Regional      | 205,095 | 187,922 | 158,063 | 143,667 | 107,450 | 130,686 |
|               | International | 80,565  | 102,921 | 114,412 | 121,232 | 102,198 | 139,148 |
|               | Total         | 345,534 | 358,195 | 338,521 | 320,193 | 261,156 | 311,948 |
| Japan         | National *    | 215,100 | 147,686 | 141,448 | 150,059 | 121,546 | 116,812 |
|               | International |         |         |         |         | 4,334   | 4,930   |
|               | Total         | 215,100 | 147,686 | 141,448 | 150,059 | 125,880 | 121,742 |
| USA           | National **   | 104,587 | 105,841 | 137,935 | 143,137 | 145,188 | 150,929 |
|               | International |         | 6,143   | 9,585   | 10,350  | 12,308  | 15,109  |
|               | Total         | 104,587 | 111,984 | 147,520 | 153,487 | 157,496 | 166,038 |
| Others        | National      | 90,049  | 113,704 | 125,467 | 131,106 | 101,015 | 101,043 |
|               | Regional      | 1,114   | 341     | 242     | 1,375   | 1,535   | 6,954   |
|               | International | 14,371  | 12,840  | 24,279  | 29,043  | 35,452  | 35,683  |
|               | Total         | 105,534 | 126,885 | 149,988 | 161,524 | 138,002 | 143,680 |
| Total         |               | 770,755 | 744,750 | 777,477 | 785,263 | 682,534 | 743,408 |

\* Figures for the years 1996 to 1999 include the number of grants based on PCT applications

\*\* Figure for 1996 includes the number of grants based on PCT applications



## Trilateral Statistics

### Trilateral Patent Statistics

#### Patent Applications at the Trilateral Offices by Bloc of Origin

| Office | Bloc of Origin | 1996    | 1997    | 1998    | 1999    | 2000    | 2001    | 2002    |
|--------|----------------|---------|---------|---------|---------|---------|---------|---------|
| EPO    | EPC states     | 31,490  | 36,510  | 41,190  | 45,028  | 49,785  | 53,737  | 53,440  |
|        | Japan          | 11,357  | 12,856  | 13,813  | 14,604  | 17,096  | 19,845  | 15,912  |
|        | USA            | 18,638  | 20,497  | 23,502  | 25,393  | 28,488  | 30,450  | 30,118  |
|        | Others         | 2,415   | 3,041   | 3,582   | 4,297   | 5,340   | 5,993   | 6,773   |
|        | Total          | 63,900  | 72,904  | 82,087  | 89,322  | 100,709 | 110,025 | 106,243 |
| JPO    | EPC states     | 15,065  | 11,747  | 16,077  | 44,660  | 20,208  | 21,832  | 13,889  |
|        | Japan          | 340,101 | 350,807 | 359,381 | 47,821  | 387,364 | 386,767 | 369,458 |
|        | USA            | 15,065  | 19,579  | 20,097  | 149,825 | 22,665  | 23,386  | 22,714  |
|        | Others         | 3,766   | 7,831   | 8,039   | 27,881  | 6,628   | 7,190   | 14,983  |
|        | Total          | 373,997 | 389,964 | 403,594 | 270,187 | 436,865 | 439,175 | 421,044 |
| USPTO  | EPC states     | 31,230  | 33,249  | 35,809  | 44,660  | 44,750  | 50,607  | 52,621  |
|        | Japan          | 39,037  | 41,753  | 44,133  | 47,821  | 51,029  | 60,555  | 58,739  |
|        | USA            | 106,892 | 120,445 | 135,742 | 149,825 | 163,699 | 174,709 | 184,245 |
|        | Others         | 17,567  | 19,810  | 21,910  | 27,881  | 36,448  | 40,637  | 38,840  |
|        | Total          | 194,726 | 215,257 | 237,594 | 270,187 | 295,926 | 326,508 | 334,445 |



## Trilateral Statistics

### Trilateral Patent Statistics

#### Patent Applications at the Trilateral Offices by Technical Field

| Origin     | Technical field        | 1996   | 1997   | 1998   | 1999   | 2000    | 2001    | 2002   |
|------------|------------------------|--------|--------|--------|--------|---------|---------|--------|
| EPC states | Human necessities      | 8,943  | 10,317 | 11,591 | 12,895 | 14,187  | 15,795  | 15,880 |
|            | Performing operations  | 12,025 | 13,500 | 15,159 | 16,321 | 17,796  | 18,472  | 17,402 |
|            | Chemistry; Metallurgy  | 12,182 | 13,813 | 14,746 | 15,448 | 17,183  | 18,737  | 18,747 |
|            | Textiles; paper        | 1,172  | 1,354  | 1,615  | 1,631  | 1,669   | 1,623   | 1,699  |
|            | Fixed constructions    | 2,087  | 2,363  | 2,745  | 2,945  | 3,174   | 3,161   | 3,083  |
|            | Mechanical engineering | 5,302  | 5,864  | 6,901  | 7,373  | 8,166   | 8,640   | 8,469  |
|            | Physics                | 11,027 | 12,651 | 14,090 | 15,234 | 17,981  | 20,636  | 20,513 |
|            | Electricity            | 11,153 | 12,904 | 15,387 | 17,442 | 20,501  | 22,842  | 20,376 |
| Japan      | Human necessities      | 32,171 | 33,814 | 37,473 | 37,607 | 46,760  | 41,205  |        |
|            | Performing operations  | 68,941 | 70,390 | 73,511 | 70,564 | 76,185  | 69,996  |        |
|            | Chemistry; Metallurgy  | 38,515 | 38,732 | 43,344 | 40,446 | 49,564  | 40,881  |        |
|            | Textiles; paper        | 4,947  | 5,101  | 5,142  | 4,982  | 5,477   | 5,081   |        |
|            | Fixed constructions    | 19,228 | 18,953 | 18,972 | 18,306 | 18,487  | 16,807  |        |
|            | Mechanical engineering | 31,750 | 32,734 | 34,280 | 32,278 | 35,094  | 33,178  |        |
|            | Physics                | 82,223 | 85,779 | 89,619 | 88,582 | 107,762 | 103,110 |        |
|            | Electricity            | 76,755 | 81,934 | 87,406 | 85,387 | 93,988  | 89,361  |        |
| USA        | Human necessities      | 36,561 | 36,778 | 41,557 | 44,797 | 45,529  | 49,848  | 55,424 |
|            | Performing operations  | 35,452 | 39,293 | 42,677 | 43,453 | 44,322  | 49,174  | 51,424 |
|            | Chemistry; Metallurgy  | 29,991 | 24,335 | 26,070 | 30,223 | 30,827  | 35,325  | 34,374 |
|            | Textiles; paper        | 4,076  | 1,846  | 1,894  | 2,242  | 2,287   | 2,212   | 2,299  |
|            | Fixed constructions    | 5,485  | 6,028  | 6,477  | 5,993  | 6,113   | 6,448   | 7,427  |
|            | Mechanical engineering | 12,683 | 14,257 | 15,522 | 16,508 | 16,838  | 19,280  | 20,834 |
|            | Physics                | 41,743 | 50,353 | 58,501 | 67,759 | 79,614  | 92,448  | 89,227 |
|            | Electricity            | 32,080 | 42,367 | 50,364 | 59,212 | 70,396  | 71,773  | 73,436 |

## Trilateral Statistics

### Trilateral Patent Statistics

#### Patent Applications at the Trilateral Offices by Bloc of Origin in High Technology Areas

| Office | Bloc of Origin | 1996   | 1997   | 1998   | 1999   | 2000   | 2001   | 2002   |
|--------|----------------|--------|--------|--------|--------|--------|--------|--------|
| EPO    | EPC states     | 3,769  | 4,549  | 5,493  | 6,748  | 8,411  | 10,283 | 10,326 |
|        | Japan          | 2,687  | 3,069  | 3,379  | 3,738  | 4,395  | 5,253  | 4,043  |
|        | USA            | 4,248  | 4,795  | 5,461  | 6,310  | 7,837  | 8,604  | 8,935  |
|        | Others         | 368    | 529    | 720    | 950    | 1,349  | 1,399  | 1,791  |
| JPO    | EPC states     | 1,514  | 1,057  | 1,069  | 1,958  | 2,776  | 2,462  | 3,944  |
|        | Japan          | 44,915 | 47,576 | 49,180 | 62,907 | 77,848 | 56,947 | 75,472 |
|        | USA            | 3,028  | 3,172  | 2,138  | 3,919  | 5,660  | 4,567  | 6,606  |
|        | Others         | 1,009  | 1,057  | 1,069  | 1,223  | 1,600  | 1,267  | 2,184  |
| USPTO  | EPC states     | 4,613  | 4,989  | 6,257  | 8,561  | 11,231 | 12,320 | 11,718 |
|        | Japan          | 10,806 | 13,036 | 14,689 | 13,224 | 18,462 | 20,883 | 19,940 |
|        | USA            | 25,671 | 30,013 | 37,722 | 44,209 | 61,570 | 63,040 | 60,906 |
|        | Others         | 4,635  | 5,237  | 7,379  | 7,914  | 10,939 | 11,563 | 12,529 |

## Trilateral Statistics

### Trilateral Patent Statistics

#### Granted Patent by the Trilateral Offices by Bloc of Origin

| Office | Bloc of Origin | 1996    | 1997    | 1998    | 1999    | 2000    | 2001    | 2002    |
|--------|----------------|---------|---------|---------|---------|---------|---------|---------|
| EPO    | EPC states     | 19,214  | 19,430  | 18,376  | 17,877  | 13,536  | 18,330  | 25,449  |
|        | Japan          | 9,601   | 8,980   | 7,702   | 7,141   | 5,498   | 6,580   | 8,249   |
|        | USA            | 10,131  | 9,981   | 9,380   | 9,156   | 7,428   | 8,583   | 11,845  |
|        | Others         | 1,123   | 1,255   | 1,260   | 1,183   | 1,061   | 1,209   | 1,841   |
|        | Total          | 40,069  | 39,646  | 36,718  | 35,357  | 27,523  | 34,702  | 47,384  |
| JPO    | EPC states     | 11,396  | 7,422   | 6,843   | 6,843   | 5,229   | 5,067   | 4,732   |
|        | Japan          | 187,681 | 129,937 | 125,704 | 125,704 | 112,269 | 109,375 | 108,515 |
|        | USA            | 14,103  | 8,646   | 7,046   | 7,046   | 6,007   | 6,020   | 5,588   |
|        | Others         | 1,920   | 1,681   | 1,855   | 1,855   | 2,375   | 1,280   | 1,183   |
|        | Total          | 215,100 | 147,686 | 141,448 | 141,448 | 125,880 | 121,742 | 120,018 |
| USPTO  | EPC states     | 17,844  | 18,635  | 25,693  | 25,693  | 26,324  | 28,459  | 28,428  |
|        | Japan          | 23,052  | 23,179  | 30,841  | 30,841  | 31,296  | 33,224  | 34,859  |
|        | USA            | 61,107  | 61,707  | 80,292  | 80,292  | 85,072  | 87,610  | 86,980  |
|        | Others         | 7,643   | 8,463   | 10,694  | 10,694  | 14,805  | 16,752  | 17,067  |
|        | Total          | 109,646 | 111,984 | 147,520 | 147,520 | 157,497 | 166,045 | 167,334 |

## Trilateral Statistics

### Trilateral Patent Statistics

#### Maintenance of Patents Granted by the Trilateral offices

Figures indicate the proportion of patents maintained at the end of each patent year from filing as by the end of 2002

| Patent year | EPO   | JPO   | USPTO |
|-------------|-------|-------|-------|
| 1           | 100%  | 100%  | 100%  |
| 2           | 100%  | 99.9% | 100%  |
| 3           | 91.7% | 99.6% | 100%  |
| 4           | 86.9% | 99.7% | 100%  |
| 5           | 82.9% | 97.6% | 99.9% |
| 6           | 77.5% | 98.2% | 96.3% |
| 7           | 71.9% | 95.6% | 89.3% |
| 8           | 65.8% | 94.1% | 87.5% |
| 9           | 59.6% | 92.8% | 85.2% |
| 10          | 53.5% | 90.8% | 76.2% |
| 11          | 47.8% | 89.6% | 66.8% |
| 12          | 42.4% | 86.0% | 63.3% |
| 13          | 37.2% | 79.4% | 59.9% |
| 14          | 32.9% | 73.7% | 51.6% |
| 15          | 28.6% | 68.7% | 43.8% |
| 16          | 24.7% | 62.6% | 41.4% |
| 17          | 21.4% | 56.8% | 39.9% |
| 18          | 18.2% | 50.2% | 39.0% |
| 19          | 14.8% | 42.3% | 37.6% |
| 20          | 12.0% | 28.2% | 37.0% |

**Trilateral Statistics**  
 Trilateral Patent Statistics  
**Statistics on the Procedures**

| Item  | Office | 1996      | 1997      | 1998      | 1999      | 2000      | 2001      | 2002      |
|---|--------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| examination rate                                    | EPO    | 91        | 91        | 91        | 91        | 91        | 90        | 89        |
|   | JPO    | 45        | 47        | 48        | 48        | 53        | 54        | 54        |
|   | USPTO  | 100       | 100       | 100       | 100       | 100       | 100       | 100       |
| grant rate  | EPO    | 67        | 68        | 67        | 64        | 57        | 60        | 58        |
|   | JPO    | -         | 65        | 65        | 65        | 59        | 55        | 51.4      |
|   | USPTO  | 67        | 69        | 70        | 70        | 71        | 70        | 65        |
| opposition rate                                     | EPO    | 6         | 6         | 6         | 6         | 6         | 5.7       | 5.4       |
|   | JPO    | -         | 4         | 5         | 5         | 4         | 3.3       | 2.9       |
|   | USPTO  | -         | -         | -         | -         | -         | -         | -         |
| maintenance rate                                    | EPO    | 67        | 69        | 70        | 65        | 68        | 68.4      | 67.4      |
|   | JPO    | -         | -         | -         | n.a.      | n.a.      | n.a.      | n.a.      |
|   | USPTO  | -         | -         | -         | -         | -         | -         | -         |
| appeal rate<br>- on examinations                    | EPO    | 48        | 51        | 51        | 51        | 46        | 48        | 45        |
|   | JPO    | -         | -         | -         | -         | -         | -         | -         |
|   | USPTO  | 5         | 7         | 6         | 6         | -         | 5         | 4         |
| - on oppositions                                    | EPO    | 41        | 41        | 40        | 43        | 45        | 49        | 49        |
|   | JPO    | -         | -         | -         | -         | -         | -         | -         |
|   | USPTO  | -         | -         | -         | -         | -         | -         | -         |
| - on examinations<br>and oppositions *)             | EPO    | -         | -         | -         | -         | -         | -         | -         |
|   | JPO    | 13,667    | 13,742    | 14,157    | 14,157    | 16,948    | 19,962    | 21,847    |
|   | USPTO  | -         | -         | -         | -         | -         | -         | -         |
| pending applications<br>in search                   | EPO    | 59,600    | 57,900    | 67,700    | 77,600    | 90,100    | 109,800   | 118,300   |
|   | JPO    | -         | -         | -         | -         | -         | -         | -         |
|   | USPTO  | -         | -         | -         | -         | -         | -         | -         |
| pendency search in<br>months                        | EPO    | 19        | 17        | 17        | 19        | 21        | 27.3      | 26.0      |
|   | JPO    | -         | -         | -         | -         | -         | -         | -         |
|   | USPTO  | -         | -         | -         | -         | -         | -         | -         |
| applications awaiting<br>request for<br>examination | EPO    | 11,200    | 11,100    | 14,500    | 16,200    | 15,790    | 15,760    | 16,410    |
|   | JPO    | 2,148,126 | 2,143,765 | 2,155,566 | 2,155,566 | 2,152,416 | 2,175,739 | 2,189,727 |
|   | USPTO  | -         | -         | -         | -         | -         | -         | -         |
| pending applications<br>in examination              | EPO    | 120,200   | 127,000   | 139,500   | 157,700   | 191,600   | 212,200   | 223,700   |
|   | JPO    | -         | -         | -         | -         | 433,020   | 478,363   | 500,420   |
|   | USPTO  | 290,500   | 267,662   | 362,797   | 362,797   | 547,626   | n.a.      | n.a.      |
| Pendency first office<br>action in months           | EPO    | -         | 16        | 18        | 18        | 21        | 20.7      | 23.0      |
|   | JPO    | 22        | 21        | 19        | 19        | 21        | 22.0      | 24.0      |
|   | USPTO  | -         | 10        | 13        | 13        | 13        | 14.4      | 16.6      |
| pendency<br>examination in<br>months                | EPO    | 24        | 29        | 33        | 39        | 50        | 46.1      | 27.7      |
|   | JPO    | -         | -         | -         | -         | 27        | 27.7      | 28.7      |
|   | USPTO  | 22        | 23        | 24        | 24        | 25        | 24.7      | 24.7      |
| pending applications<br>in opposition               | EPO    | 3,720     | 3,730     | 3,270     | 3,030     | 2,470     | 1,360     | 1,250     |
|   | JPO    | -         | -         | -         | n.a.      | n.a.      | n.a.      | n.a.      |
|   | USPTO  | -         | -         | -         | -         | -         | -         | -         |
| pendency opposition<br>in months                    | EPO    | 17        | 18        | 14        | 14        | 12        | 6.6       | 6.6       |
|   | JPO    | -         | -         | -         | n.a.      | n.a.      | n.a.      | n.a.      |
|   | USPTO  | -         | -         | -         | -         | -         | -         | -         |

\*) Only numbers are available

## Trilateral Statistics

Trilateral Patent Statistics

### PCT Activities of the Trilateral Offices

| Office | Activity                              | 1996   | 1997   | 1998   | 1999   | 2000   | 2001   |
|--------|---------------------------------------|--------|--------|--------|--------|--------|--------|
| EPO    | Receiving office                      | 5,766  | 6,376  | 8,311  | 10,528 | 12,666 | 15,568 |
|        | International searches                | 28,250 | 33,110 | 41,710 | 47,420 | 57,058 | 64,113 |
|        | International Preliminary examination | 18,110 | 22,010 | 27,600 | 31,770 | 37,812 | 45,806 |
| JPO    | Receiving office                      | 3,834  | 4,815  | 6,063  | 7,209  | 9,346  | 11,846 |
|        | International searches                | 3,605  | 4,604  | 5,640  | 7,003  | 8,957  | 11,075 |
|        | International Preliminary examination | 1,605  | 2,139  | 2,754  | 3,541  | 4,597  | 6,143  |
| USPTO  | Receiving office                      | 20,504 | 22,456 | 27,891 | 29,138 | 37,899 | 40,003 |
|        | International searches                | 11,914 | 9,750  | 12,859 | 14,116 | 17,386 | 18,307 |
|        | International Preliminary examination | 8,736  | 9,233  | 12,003 | 14,615 | 16,389 | 20,344 |

## Trilateral Statistics

Other Work of the Trilateral Offices

### Other work

| Activity                    | Office | 1996    | 1997    | 1998    | 1999    | 2000    | 2001    | 2002    |
|-----------------------------|--------|---------|---------|---------|---------|---------|---------|---------|
| Search for national Offices | EPO    | 18,490  | 18,660  | 18,900  | 17,630  | 18,888  | 18,480  | 16,940  |
|                             | JPO    | -       | -       | -       | -       | -       | -       | -       |
|                             | USPTO  | -       | -       | -       | -       | -       | -       | -       |
| Design applications         | EPO    | -       | -       | -       | -       | -       | -       | -       |
|                             | JPO    | 40,192  | 39,865  | 39,352  | 37,368  | 38,496  | 39,423  | 37,230  |
|                             | USPTO  | 15,161  | 16,546  | 17,107  | 14,732  | 18,292  | 18,820  | 20,904  |
| Utility model applications  | EPO    | -       | -       | -       | -       | -       | -       | -       |
|                             | JPO    | 14,082  | 12,048  | 10,917  | 10,283  | 9,587   | 8,806   | 8,603   |
|                             | USPTO  | -       | -       | -       | -       | -       | -       | -       |
| Plant applications          | EPO    | -       | -       | -       | -       | -       | -       | -       |
|                             | JPO    | -       | -       | -       | -       | -       | -       | -       |
|                             | USPTO  | 665     | 621     | 720     | 421     | 797     | 944     | 1,144   |
| Re-issue applications       | EPO    | -       | -       | -       | -       | -       | -       | -       |
|                             | JPO    | -       | -       | -       | -       | -       | -       | -       |
|                             | USPTO  | 592     | 548     | 594     | 448     | 761     | 823     | 982     |
| Trademark applications      | EPO    | -       | -       | -       | -       | -       | -       | -       |
|                             | JPO    | 188,160 | 133,160 | 112,469 | 121,469 | 145,668 | 123,754 | 117,406 |
|                             | USPTO  | 212,510 | 225,517 | 246,611 | 319,880 | 361,775 | 294,358 | 264,053 |