

TECHNOLOGY ASSESSMENT AND FORECAST REPORT

MECHANICAL CLASSES

1977 - December 2004



July 2005
U.S. PATENT AND TRADEMARK OFFICE
OFFICE OF ELECTRONIC INFORMATION PRODUCTS - PTMD
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A PTMD TAF DATABASE REPORT

Technology Profile Report - MECHANICAL Classes

Explanation of Data

This Technology Profile Report profiles the patent activity for U.S. utility patents * granted between **1977** and **December 2004** in MECHANICAL technology discipline classes within the U.S. Patent Classification System (USPCS).

The report is generated by identifying appropriate Patent and Trademark Office (PTO) classes, i.e., those entirely or substantially pertinent to the technology discipline of interest. The patents in these classes are then included in the profile. This procedure results, in most cases, in the inclusion of the majority of patents relevant to the technology discipline and few, if any, patents which are not relevant. However, any patent listing provided should not be considered to be inclusive of all relevant patents, nor exclusive of all irrelevant patents.

Data Distribution By Date of Grant and By Date of Application

Parts A1 and A2

Part A1 distributes utility patent GRANT data by year of patent grant ("Patents Granted By Date of Patent Grant"). Part A2 distributes patent GRANT data by the year in which the patented application was filed ("Patents Granted By Date of Patent Application"). Parts A1 and A2 each provide patent counts (pages A1-1 and A2-1) and percent distributions (pages A1-2 and A2-2).

Patent data, as shown in the "**Pre 1991**" column, correspond to selected patents * in the data base which were granted during the period **1977 to 1990**.

Part B

Part B of this report distributes patent GRANT data for organizations that have received U.S. patents since 1977. Data are presented by the year in which the patent was granted ("Patents By Year of Grant") and the year the patented application was filed ("Patents by Year of Application").

DATA FOR THOSE APPLICATIONS WHICH WERE FILED BUT NEVER ISSUED (ROUGHLY 25% OF TOTAL FILINGS) ARE NOT INCLUDED IN THIS REPORT.

Since the average time period between filing for a patent and the issuing of the patent (i.e., a patent's "pendency") is now about 24 months, the patented application data for applications filed from **1999 to DECEMBER 2004** are incomplete.** This is because a significant number of the applications filed from **1999 to DECEMBER 2004**, which will ultimately become patents, were still pending in **DECEMBER 2004**. Since they had not yet become patents at the time this report was prepared, they were not included in this report.

Patented application data are of significant value since the date an application was filed more accurately reflects when the technology was developed. Additionally, fluctuations in data based on application date are much more likely to reflect changes in technological activity, since such fluctuations would for the most part be immune from changes in PTO processing such as occurred in 1986 when the PTO issued fewer patents than would normally have been expected due to a lack

of funds to print patents. Note that a patent's "pendency" can be quite variable from one patent to another thereby affecting the date of patent grant. Such variation in pendency is determined by many factors, including PTO workload (which varies between technologies), budget and manpower levels, patent printing schedules, etc.

"Patents Granted By Date of Patent Application", as shown in the "**Pre 1991**" column, correspond to patent grants in the report which were filed prior to **1991**.

Parts of the Report

Parts A1 and A2 present tables which show, by number and percent, the patent activity in the technology discipline. Part A1 presents data by year of patent grant ("Patents Granted By Date of Patent Grant"). Part A2 redistributes grant data by year of patent application ("Patents Granted By Date of Patent Application"). The location of patent origin is determined by the residence of the first-named inventor at the time of grant.

Patent ownership information reflects ownership at the time of patent grant and does not include subsequent changes in ownership. If more than one assignee was declared at the time of grant, the patent ownership is attributed to the first-named assignee. The U.S. and Foreign Corporations ownership categories count predominantly corporate patents; however, patents assigned to other organizations such as small businesses, nonprofit organizations, universities, etc. are also included in this category. While U.S. Government patent ownership includes only patents granted to the Federal Government, no such distinction is made for the Foreign Government ownership category.

Part B is a ranked listing of national and international organizations (i.e., corporations, universities, government agencies) which have received U.S. patents since **1977**.* Data line 1 for each listed organization ("Patents By Year of Grant") distributes counts of patent grants by year of grant. Data line 2 for each organization ("Patents By Year of Application") redistributes those same patent grants by year in which the patented applications were filed. Information on patent ownership reflects ownership at the time of patent grant. Although a substantial effort has been made to combine name variations into a single organizational name, many organizations continue to have patents listed under more than one organizational name.

* The term "patent", as used above, refers to "utility" patents. Other patent documents (i.e., design, plant and reissue patents, statutory invention registrations, defensive publications) are not included in this profile report.

** As of **December 2004**, utility patent application data are approximately **93%** complete for utility patent applications filed in **1999**, **84%** complete for applications filed in **2000**, **66%** complete for applications filed in **2001**, and **44%** complete for applications filed in **2002**.. They are essentially complete for applications filed prior to **1999**.

CHEMICAL, ELECTRICAL, MECHANICAL CLASSES

DECEMBER 2004

| | | | | | | | | | | | | | | |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CHEMICAL | 8 | 23 | 44 | 48 | 51 | 55 | 65 | 71 | 75 | 95 | 96 | 106 | 117 | 127 |
| | 136 | 148 | 149 | 156 | 159 | 162 | 196 | 201 | 202 | 203 | 204 | 205 | 208 | 209 |
| | 210 | 216 | 252 | 260 | 261 | 264 | 376 | 419 | 420 | 422 | 423 | 424 | 426 | 427 |
| | 428 | 429 | 430 | 435 | 436 | 438 | 442 | 501 | 502 | 504 | 507 | 508 | 510 | 512 |
| | 514 | 516 | 518 | 520 | 521 | 522 | 523 | 524 | 525 | 526 | 527 | 528 | 530 | 532 |
| | 534 | 536 | 540 | 544 | 546 | 548 | 549 | 552 | 554 | 556 | 558 | 560 | 562 | 564 |
| | 568 | 570 | 585 | 588 | 800 | 930 | 976 | 987 | | | | | | |

The following subclasses are also Chemical:

134/1-42; 131/274-279; 505/100-126, 300-512, 725-785, 800-824, 951

| | | | | | | | | | | | | | | |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| ELECTRICAL | 174 | 178 | 191 | 200 | 218 | 219 | 235 | 250 | 257 | 290 | 307 | 310 | 313 | 314 |
| | 315 | 318 | 320 | 322 | 323 | 324 | 326 | 327 | 329 | 330 | 331 | 332 | 333 | 334 |
| | 335 | 336 | 337 | 338 | 340 | 341 | 342 | 343 | 345 | 346 | 348 | 349 | 355 | 358 |
| | 360 | 361 | 362 | 363 | 365 | 367 | 368 | 369 | 370 | 372 | 373 | 375 | 377 | 378 |
| | 379 | 380 | 381 | 382 | 383 | 386 | 388 | 392 | 396 | 398 | 399 | 455 | 503 | 505 |
| | 700 | 701 | 702 | 703 | 704 | 705 | 706 | 707 | 708 | 709 | 710 | 711 | 712 | 713 |
| | 714 | 715 | 716 | 717 | 718 | 719 | 720 | 725 | 902 | | | | | |

The following subclasses are also Electrical:

84/600-746; 385/1-52; 359/1-108, 237-361, 558-590, 901-902; 968/876-977; 984/300-398

| | | | | | | | | | | | | | | |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| MECHANICAL | | 2 | 4 | 5 | 7 | | 12 | 14 | 15 | 16 | | 19 | 24 | 26 |
| | 27 | 28 | 29 | 30 | 33 | 34 | 36 | 37 | 38 | 40 | 42 | 43 | 47 | 49 |
| | 52 | 53 | 54 | 56 | 57 | 59 | 60 | 62 | 63 | 66 | 68 | 69 | 70 | |
| | 72 | 73 | 74 | 76 | 79 | 81 | 82 | 83 | 84 | 86 | 87 | 89 | 91 | 92 |
| | 99 | 100 | 101 | 102 | 104 | 105 | 108 | 109 | 110 | 111 | 112 | 114 | 116 | 118 |
| | 119 | 122 | 123 | 124 | 125 | 126 | 128 | | 131 | 132 | 134 | 135 | 137 | 138 |
| | 139 | 140 | 141 | 142 | 144 | 147 | 150 | 152 | 157 | 160 | 163 | 164 | 165 | 166 |
| | 168 | 169 | 171 | 172 | 173 | 175 | 177 | 180 | 181 | 182 | 184 | 185 | 186 | 187 |
| | 188 | 190 | 192 | 193 | 194 | 198 | 199 | 206 | 211 | 212 | 213 | 215 | 217 | 220 |
| | 221 | 222 | 223 | 224 | 225 | 226 | 227 | 228 | 229 | 231 | 232 | 234 | 236 | 237 |
| | 238 | 239 | 241 | 242 | 244 | 245 | 246 | 248 | 249 | 251 | 254 | 256 | 258 | 266 |
| | 267 | 269 | 270 | 271 | | 273 | 276 | 277 | 278 | 279 | 280 | 281 | 283 | 285 |
| | 289 | 291 | 292 | 293 | 294 | 295 | 296 | 297 | 298 | 299 | 300 | 301 | 303 | 305 |
| | 312 | 347 | 351 | 352 | 353 | 356 | 359 | 366 | 374 | 384 | 385 | 400 | 401 | 402 |
| | 403 | 404 | 405 | 406 | 407 | 408 | 409 | 410 | 411 | 412 | 413 | 414 | 415 | 416 |
| | 417 | 418 | 425 | 431 | 432 | 433 | 434 | 439 | 440 | 441 | 445 | 446 | 449 | 450 |
| | 451 | 452 | 453 | 454 | 460 | 462 | 463 | 464 | 470 | 472 | 473 | 474 | 475 | 476 |
| | 477 | 482 | 483 | 492 | 493 | 494 | 600 | 601 | 602 | 604 | 606 | 607 | 623 | 901 |
| | 968 | 984 | | | | | | | | | | | | |

The following subclasses are also Mechanical:

209/3.1-3.3, 44-44.4, 509-707, 900-942; 8/147-159

TECHNOLOGY ASSESSMENT AND FORECAST PROGRAM TECHNOLOGY DISCIPLINES FOR
U.S. PATENT CLASSIFICATION SYSTEM CLASSES AS OF DECEMBER 2004
CHEMICAL, ELECTRICAL, MECHANICAL

| Class | Class | Class | Class | Class | Class | Class | Class |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 2M | 91M | 174E | 245M | 332E | 406M | 494M | 710E |
| 4M | 92M | 175M | 246M | 333E | 407M | 501C | 711E |
| 5M | 95C | 177M | 248M | 334E | 408M | 502C | 712E |
| 7M | 96C | 178E | 249M | 335E | 409M | 503E* | 713E |
| 8C* | 99M | 180M | 250E | 336E | 410M | 504C | 714E |
| 12M | 100M | 181M | 251M | 337E | 411M | 505E* | 715E |
| 14M | 101M | 182M | 252C | 338E | 412M | 507C | 716E |
| 15M | 102M | 184M | 254M | 340E | 413M | 508C | 717E |
| 16M | 104M | 185M | 256M | 341E | 414M | 510C | 718E |
| 19M | 105M | 186M | 257E | 342E | 415M | 512C | 719E |
| 23C | 106C | 187M | 258M | 343E | 416M | 514C | 720E |
| 24M | 108M | 188M | 260C | 345E | 417M | 516C | 725E |
| 26M | 109M | 190M | 261C | 346E | 418M | 518C | 800C |
| 27M | 110M | 191E | 264C | 347M | 419C | 520C | 901M |
| 28M | 111M | 192M | 266M | 348E | 420C | 521C | 902E |
| 29M | 112M | 193M | 267M | 349E | 422C | 522C | 930C |
| 30M | 114M | 194M | 269M | 351M | 423C | 523C | 968M* |
| 33M | 116M | 196C | 270M | 352M | 424C | 524C | 976C |
| 34M | 117C | 198M | 271M | 353M | 425M | 525C | 984M* |
| 36M | 118M | 199M | 273M | 355E | 426C | 526C | 987C |
| 37M | 119M | 200E | 276M | 356M | 427C | 527C | |
| 38M | 122M | 201C | 277M | 358E | 428C | 528C | |
| 40M | 123M | 202C | 278M | 359M* | 429C | 530C | |
| 42M | 124M | 203C | 279M | 360E | 430C | 532C | |
| 43M | 125M | 204C | 280M | 361E | 431M | 534C | |
| 44C | 126M | 205C | 281M | 362E | 432M | 536C | |
| 47M | 127C | 206M | 283M | 363E | 433M | 540C | |
| 48C | 128M | 208C | 285M | 365E | 434M | 544C | |
| 49M | 131M* | 209C* | 289M | 366M | 435C | 546C | |
| 51C | 132M | 210C | 290E | 367E | 436C | 548C | |
| 52M | 134M* | 211M | 291M | 368E | 438C | 549C | |
| 53M | 135M | 212M | 292M | 369E | 439M | 552C | |
| 54M | 136C | 213M | 293M | 370E | 440M | 554C | |
| 55C | 137M | 215M | 294M | 372E | 441M | 556C | |
| 56M | 138M | 216C | 295M | 373E | 442C | 558C | |
| 57M | 139M | 217M | 296M | 374M | 445M | 560C | |
| 59M | 140M | 218E | 297M | 375E | 446M | 562C | |
| 60M | 141M | 219E | 298M | 376C | 449M | 564C | |
| 62M* | 142M | 220M | 299M | 377E | 450M | 568C | |
| 63M | 144M | 221M | 300M | 378E | 451M | 570C | |
| 65C | 147M | 222M | 301M | 379E | 452M | 585C | |
| 66M | 148C | 223M | 303M | 380E | 453M | 588C | |
| 68M | 149C | 224M | 305M | 381E | 454M | 600M | |
| 69M | 150M | 225M | 307E | 382E | 455E | 601M | |
| 70M | 152M | 226M | 310E | 383E | 460M | 602M | |
| 71C | 156C | 227M | 312M | 384M | 462M | 604M | |
| 72M | 157M | 228M | 313E | 385M* | 463M | 606M | |
| 73M | 159C | 229M | 314E | 386E | 464M | 607M | |
| 74M | 160M | 231M | 315E | 388E | 470M | 623M | |
| 75C | 162C | 232M | 318E | 392E | 472M | 700E | |
| 76M | 163M | 234M | 320E | 396E | 473M | 701E | |
| 79M | 164M | 235E | 322E | 398E | 474M | 702E | |
| 81M | 165M | 236M | 323E | 399E | 475M | 703E | |
| 82M | 166M | 237M | 324E | 400M | 476M | 704E | |
| 83M | 168M | 238M | 326E | 401M | 477M | 705E | |
| 84M* | 169M | 239M | 327E | 402M | 482M | 706E | |
| 86M | 171M | 241M | 329E | 403M | 483M | 707E | |
| 87M | 172M | 242M | 330E | 404M | 492M | 708E | |
| 89M | 173M | 244M | 331E | 405M | 493M | 709E | |

*8/147-159 are mechanical

*84/600-746 are electrical

*131/274-279 are chemical

*134/1-42 are chemical

*209/3.1-3.3, 44-44.4, 509-707, 900-942 are mechanical

*359/1-108, 237-361, 558-590, 901-902 are electrical

*385/1-52 are electrical

*505/100-126, 300-512, 725-785, 800-824, 951 are chemical

*968/876-977 are electrical

*984/300-398 are electrical

July, 2005

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USPTO. OEIP/PTMD

Part A1

Patent Grants as Distributed By Year of Patent Grant

| | ---- Patents Granted By Date Of Patent Grant (Granted: Jan 01, 1977 - Dec 31, 2004) ---- | | | | | | | | | | | | | | | |
|-----------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| | ----- NUMBER OF PATENTS ----- | | | | | | | | | | | | | | | |
| | Pre 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | Total |
| Total | 470076 | 44754 | 43705 | 42568 | 44416 | 42462 | 44926 | 44457 | 57102 | 59078 | 62290 | 63456 | 62002 | 62819 | 57173 | 1201284 |
| U.S. Origin | 279695 | 25690 | 25495 | 25287 | 26997 | 25890 | 27321 | 26163 | 33259 | 34274 | 35132 | 34543 | 33582 | 34139 | 30548 | 698015 |
| Foreign Origin | 190381 | 19064 | 18210 | 17281 | 17419 | 16572 | 17605 | 18294 | 23843 | 24804 | 27158 | 28913 | 28420 | 28680 | 26625 | 503269 |
| JAPAN | 57337 | 6896 | 6882 | 6552 | 6301 | 5824 | 6318 | 6629 | 8554 | 8943 | 9460 | 10013 | 10116 | 10294 | 9555 | 169674 |
| GERMANY | 44466 | 3828 | 3541 | 3294 | 3293 | 3023 | 3202 | 3255 | 4211 | 4430 | 5003 | 5355 | 5182 | 5151 | 4721 | 101955 |
| FRANCE | 14797 | 1305 | 1331 | 1201 | 1177 | 1097 | 1051 | 1102 | 1353 | 1400 | 1458 | 1530 | 1483 | 1437 | 1246 | 32968 |
| UNITED KINGDOM | 15702 | 1214 | 971 | 924 | 882 | 965 | 972 | 980 | 1205 | 1199 | 1391 | 1472 | 1358 | 1261 | 1147 | 31643 |
| CANADA | 10895 | 1241 | 1125 | 1097 | 1158 | 1172 | 1131 | 1254 | 1462 | 1516 | 1641 | 1709 | 1551 | 1602 | 1415 | 29969 |
| TAIWAN | 2306 | 687 | 712 | 819 | 995 | 985 | 1137 | 1135 | 1561 | 1818 | 2238 | 2483 | 2523 | 2427 | 2598 | 24424 |
| ITALY | 6860 | 635 | 701 | 625 | 603 | 534 | 546 | 587 | 767 | 714 | 862 | 772 | 814 | 867 | 800 | 16687 |
| SWITZERLAND | 7803 | 664 | 591 | 498 | 559 | 444 | 498 | 459 | 591 | 559 | 639 | 666 | 614 | 616 | 547 | 15748 |
| SWEDEN | 7071 | 471 | 377 | 371 | 403 | 444 | 404 | 402 | 617 | 613 | 749 | 762 | 671 | 651 | 541 | 14547 |
| NETHERLANDS | 3777 | 335 | 297 | 246 | 287 | 261 | 252 | 265 | 361 | 397 | 424 | 451 | 425 | 365 | 347 | 8490 |
| AUSTRALIA | 3005 | 271 | 261 | 234 | 284 | 261 | 295 | 267 | 405 | 383 | 396 | 473 | 458 | 505 | 467 | 7965 |
| SOUTH KOREA | 350 | 105 | 143 | 210 | 203 | 246 | 365 | 467 | 808 | 792 | 683 | 662 | 796 | 825 | 856 | 7511 |
| AUSTRIA | 2804 | 209 | 219 | 191 | 179 | 203 | 220 | 190 | 201 | 257 | 297 | 322 | 272 | 318 | 264 | 6146 |
| ISRAEL | 1239 | 151 | 166 | 123 | 150 | 155 | 166 | 212 | 289 | 258 | 264 | 371 | 354 | 385 | 319 | 4602 |
| FINLAND | 1332 | 156 | 163 | 118 | 123 | 138 | 179 | 189 | 220 | 218 | 214 | 217 | 209 | 226 | 215 | 3917 |
| BELGIUM | 1283 | 109 | 109 | 91 | 100 | 102 | 119 | 110 | 198 | 161 | 174 | 199 | 180 | 155 | 155 | 3245 |
| DENMARK | 1256 | 119 | 94 | 94 | 96 | 87 | 114 | 138 | 156 | 168 | 152 | 186 | 155 | 207 | 172 | 3194 |
| SPAIN | 809 | 104 | 74 | 94 | 85 | 95 | 78 | 92 | 123 | 128 | 163 | 159 | 166 | 178 | 134 | 2482 |
| NORWAY | 851 | 61 | 58 | 67 | 73 | 75 | 71 | 86 | 119 | 131 | 147 | 164 | 139 | 145 | 110 | 2297 |
| U.S.S.R. | 1626 | 99 | 35 | 38 | 21 | 8 | 2 | 1 | 1 | | | | | | | 1831 |
| SOUTH AFRICA | 785 | 57 | 55 | 56 | 69 | 76 | 65 | 50 | 64 | 62 | 60 | 55 | 47 | 62 | 51 | 1614 |
| CHINA,HONG KONG S.A.R | 205 | 28 | 31 | 34 | 33 | 49 | 53 | 44 | 88 | 81 | 85 | 126 | 133 | 145 | 146 | 1281 |
| NEW ZEALAND | 494 | 23 | 25 | 27 | 19 | 27 | 29 | 52 | 61 | 64 | 46 | 69 | 74 | 71 | 81 | 1162 |
| BRAZIL | 253 | 45 | 27 | 40 | 41 | 39 | 44 | 44 | 44 | 58 | 62 | 79 | 53 | 78 | 53 | 960 |
| CHINA P.REP. | 92 | 25 | 15 | 22 | 21 | 25 | 15 | 12 | 13 | 37 | 53 | 101 | 137 | 142 | 156 | 866 |
| MEXICO | 272 | 13 | 21 | 16 | 20 | 21 | 21 | 24 | 33 | 38 | 40 | 49 | 56 | 40 | 40 | 704 |
| IRELAND | 185 | 21 | 20 | 21 | 24 | 13 | 32 | 24 | 34 | 45 | 57 | 51 | 39 | 54 | 51 | 671 |
| SINGAPORE | 54 | 12 | 12 | 15 | 22 | 17 | 27 | 19 | 27 | 34 | 50 | 64 | 69 | 75 | 84 | 581 |
| HUNGARY | 401 | 18 | 17 | 8 | 7 | 8 | 9 | 9 | 13 | 16 | 11 | 14 | 9 | 11 | 15 | 566 |
| ARGENTINA | 180 | 8 | 15 | 21 | 23 | 20 | 16 | 23 | 28 | 35 | 36 | 37 | 38 | 42 | 27 | 549 |
| RUSSIAN FEDERATION | | | | 1 | 15 | 36 | 43 | 31 | 54 | 42 | 60 | 77 | 55 | 61 | 58 | 533 |
| LUXEMBOURG | 239 | 26 | 18 | 22 | 19 | 17 | 14 | 16 | 10 | 15 | 25 | 27 | 20 | 22 | 26 | 516 |
| CZECHOSLOVAKIA | 343 | 18 | 3 | 5 | 10 | 10 | 3 | 2 | 3 | 1 | 3 | 2 | | | | 403 |
| LIECHTENSTEIN | 142 | 9 | 12 | 5 | 12 | 9 | 5 | 8 | 10 | 5 | 12 | 11 | 10 | 7 | 14 | 271 |
| VENEZUELA | 90 | 12 | 12 | 15 | 7 | 13 | 11 | 5 | 5 | 12 | 11 | 11 | 15 | 11 | 7 | 237 |
| POLAND | 135 | 7 | 3 | 3 | 4 | 2 | 7 | 3 | 6 | 8 | 5 | 6 | 2 | 11 | 4 | 206 |
| Others (111) | 942 | 82 | 74 | 83 | 101 | 71 | 91 | 108 | 148 | 166 | 187 | 168 | 197 | 233 | 203 | 2854 |
| Ownership: | | | | | | | | | | | | | | | | |
| U.S. Corporations | 172640 | 15576 | 15791 | 15900 | 17183 | 16515 | 17425 | 17043 | 21790 | 22807 | 24074 | 24488 | 23861 | 24860 | 22403 | 452356 |
| U.S. Government | 5387 | 413 | 377 | 390 | 386 | 299 | 253 | 281 | 294 | 270 | 283 | 287 | 323 | 302 | 237 | 9782 |
| U.S. Individuals | 108299 | 10362 | 9827 | 9515 | 9958 | 9659 | 10258 | 9443 | 11996 | 12149 | 11735 | 10769 | 10159 | 9653 | 8554 | 252336 |
| Foreign Corporations | 143684 | 14679 | 14379 | 13610 | 13501 | 12715 | 13741 | 14330 | 18803 | 19638 | 21761 | 23438 | 23349 | 23891 | 22362 | 393881 |
| Foreign Government | 1827 | 135 | 142 | 145 | 99 | 84 | 88 | 82 | 57 | 37 | 20 | 19 | 21 | 16 | 19 | 2791 |
| Foreign Individuals | 38239 | 3589 | 3189 | 3008 | 3289 | 3190 | 3161 | 3278 | 4162 | 4177 | 4417 | 4455 | 4289 | 4097 | 3598 | 90138 |

| ----- Patents Granted By Date Of Patent Grant (Granted: Jan 01, 1977 - Dec 31, 2004) ----- | | | | | | | | | | | | | | | | |
|--|--------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | ----- PERCENT OF PATENTS ----- | | | | | | | | | | | | | | | |
| | Pre 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | Total |
| Total | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| U.S. Origin | 59 | 57 | 58 | 59 | 61 | 61 | 61 | 59 | 58 | 58 | 56 | 54 | 54 | 54 | 53 | 58 |
| Foreign Origin | 41 | 43 | 42 | 41 | 39 | 39 | 39 | 41 | 42 | 42 | 44 | 46 | 46 | 46 | 47 | 42 |
| JAPAN | 12 | 15 | 16 | 15 | 14 | 14 | 14 | 15 | 15 | 15 | 15 | 16 | 16 | 16 | 17 | 14 |
| GERMANY | 9 | 9 | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 |
| FRANCE | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| UNITED KINGDOM | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| CANADA | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 |
| TAIWAN | | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 2 |
| ITALY | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| SWITZERLAND | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| SWEDEN | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| NETHERLANDS | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| AUSTRALIA | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| SOUTH KOREA | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| AUSTRIA | 1 | | 1 | | | | | | | | | 1 | | 1 | | 1 |
| ISRAEL | | | | | | | | | 1 | | | 1 | 1 | 1 | 1 | 0 |
| FINLAND | | | | | | | | | | | | | | | | 0 |
| BELGIUM | | | | | | | | | | | | | | | | 0 |
| DENMARK | | | | | | | | | | | | | | | | 0 |
| SPAIN | | | | | | | | | | | | | | | | 0 |
| NORWAY | | | | | | | | | | | | | | | | 0 |
| U.S.S.R. | | | | | | | | | | | | | | | | 0 |
| SOUTH AFRICA | | | | | | | | | | | | | | | | 0 |
| CHINA,HONG KONG S.A.R | | | | | | | | | | | | | | | | 0 |
| NEW ZEALAND | | | | | | | | | | | | | | | | 0 |
| BRAZIL | | | | | | | | | | | | | | | | 0 |
| CHINA P.REP. | | | | | | | | | | | | | | | | 0 |
| MEXICO | | | | | | | | | | | | | | | | 0 |
| IRELAND | | | | | | | | | | | | | | | | 0 |
| SINGAPORE | | | | | | | | | | | | | | | | 0 |
| HUNGARY | | | | | | | | | | | | | | | | 0 |
| ARGENTINA | | | | | | | | | | | | | | | | 0 |
| RUSSIAN FEDERATION | | | | | | | | | | | | | | | | 0 |
| LUXEMBOURG | | | | | | | | | | | | | | | | 0 |
| CZECHOSLOVAKIA | | | | | | | | | | | | | | | | 0 |
| LIECHTENSTEIN | | | | | | | | | | | | | | | | 0 |
| VENEZUELA | | | | | | | | | | | | | | | | 0 |
| POLAND | | | | | | | | | | | | | | | | 0 |
| Others (111) | | | | | | | | | | | | | | | | 0 |
| Ownership: | | | | | | | | | | | | | | | | |
| U.S. Corporations | 37 | 35 | 36 | 37 | 39 | 39 | 39 | 38 | 38 | 39 | 39 | 39 | 38 | 40 | 39 | 38 |
| U.S. Government | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 1 | | | 1 |
| U.S. Individuals | 23 | 23 | 22 | 22 | 22 | 23 | 23 | 21 | 21 | 21 | 19 | 17 | 16 | 15 | 15 | 21 |
| Foreign Corporations | 31 | 33 | 33 | 32 | 30 | 30 | 31 | 32 | 33 | 33 | 35 | 37 | 38 | 38 | 39 | 33 |
| Foreign Government | | | | | | | | | | | | | | | | 0 |
| Foreign Individuals | 8 | 8 | 7 | 7 | 7 | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 8 |

Part A2

Patent Grants as Distributed By Year of Patent Application

---- Patents Granted By Date Of Patent Application (Granted: Jan 01, 1977 - Dec 31, 2004) ----

| | NUMBER OF PATENTED APPLICATIONS | | | | | | | | | | | | | | | |
|-----------------------|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|---------|
| | Pre 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | Total |
| Total | 538894 | 44259 | 45085 | 46790 | 49714 | 53019 | 55419 | 62091 | 61486 | 63382 | 64486 | 60781 | 43553 | 11967 | 358 | 1201284 |
| U.S. Origin | 318795 | 26167 | 27149 | 28714 | 30018 | 32200 | 31757 | 35725 | 34901 | 35261 | 35532 | 32430 | 22892 | 6314 | 160 | 698015 |
| Foreign Origin | 220099 | 18092 | 17936 | 18076 | 19696 | 20819 | 23662 | 26366 | 26585 | 28121 | 28954 | 28351 | 20661 | 5653 | 198 | 503269 |
| JAPAN | 68221 | 6850 | 6833 | 6557 | 7075 | 7597 | 8701 | 9946 | 9276 | 9234 | 10098 | 10216 | 7029 | 1958 | 83 | 169674 |
| GERMANY | 50505 | 3415 | 3393 | 3276 | 3559 | 3665 | 4150 | 4685 | 4808 | 5525 | 5400 | 5133 | 3596 | 823 | 22 | 101955 |
| FRANCE | 16944 | 1263 | 1229 | 1220 | 1181 | 1262 | 1341 | 1474 | 1435 | 1510 | 1488 | 1408 | 996 | 213 | 4 | 32968 |
| UNITED KINGDOM | 17606 | 954 | 919 | 954 | 1134 | 1149 | 1214 | 1241 | 1454 | 1466 | 1377 | 1187 | 825 | 161 | 2 | 31643 |
| CANADA | 12651 | 1222 | 1110 | 1295 | 1302 | 1436 | 1445 | 1539 | 1670 | 1668 | 1656 | 1562 | 1127 | 280 | 6 | 29969 |
| TAIWAN | 3096 | 769 | 847 | 1044 | 1166 | 1227 | 1440 | 1655 | 1953 | 2575 | 2453 | 2613 | 2400 | 1138 | 48 | 24424 |
| ITALY | 7903 | 650 | 667 | 563 | 641 | 619 | 756 | 798 | 812 | 793 | 863 | 847 | 617 | 152 | 6 | 16687 |
| SWITZERLAND | 8876 | 563 | 519 | 505 | 512 | 574 | 581 | 584 | 630 | 635 | 663 | 600 | 408 | 97 | 1 | 15748 |
| SWEDEN | 7750 | 402 | 414 | 462 | 480 | 454 | 573 | 697 | 749 | 753 | 668 | 627 | 426 | 87 | 5 | 14547 |
| NETHERLANDS | 4298 | 276 | 271 | 313 | 295 | 293 | 356 | 449 | 384 | 420 | 466 | 383 | 245 | 41 | | 8490 |
| AUSTRALIA | 3469 | 263 | 260 | 305 | 303 | 323 | 414 | 387 | 452 | 422 | 474 | 434 | 367 | 85 | 7 | 7965 |
| SOUTH KOREA | 545 | 173 | 216 | 227 | 400 | 477 | 793 | 831 | 694 | 668 | 739 | 793 | 748 | 202 | 5 | 7511 |
| AUSTRIA | 3146 | 212 | 182 | 189 | 232 | 238 | 211 | 235 | 303 | 306 | 308 | 280 | 257 | 47 | | 6146 |
| ISRAEL | 1495 | 146 | 145 | 163 | 222 | 247 | 241 | 281 | 312 | 358 | 401 | 353 | 213 | 25 | | 4602 |
| FINLAND | 1594 | 143 | 128 | 136 | 188 | 217 | 219 | 223 | 216 | 224 | 232 | 210 | 148 | 38 | 1 | 3917 |
| BELGIUM | 1465 | 96 | 107 | 108 | 117 | 144 | 178 | 183 | 174 | 193 | 180 | 161 | 116 | 23 | | 3245 |
| DENMARK | 1438 | 105 | 77 | 93 | 129 | 157 | 165 | 165 | 179 | 168 | 190 | 168 | 138 | 22 | | 3194 |
| SPAIN | 963 | 78 | 101 | 91 | 99 | 100 | 120 | 150 | 148 | 139 | 169 | 187 | 104 | 31 | 2 | 2482 |
| NORWAY | 945 | 66 | 67 | 84 | 87 | 96 | 121 | 137 | 130 | 171 | 152 | 128 | 101 | 11 | 1 | 2297 |
| U.S.S.R. | 1751 | 42 | 27 | 6 | 4 | 1 | | | | | | | | | | 1831 |
| SOUTH AFRICA | 880 | 53 | 62 | 92 | 77 | 50 | 62 | 57 | 65 | 59 | 54 | 62 | 30 | 11 | | 1614 |
| CHINA,HONG KONG S.A.R | 252 | 29 | 36 | 38 | 64 | 57 | 79 | 60 | 99 | 121 | 130 | 151 | 118 | 47 | | 1281 |
| NEW ZEALAND | 537 | 27 | 20 | 24 | 38 | 54 | 60 | 74 | 56 | 56 | 76 | 80 | 46 | 14 | | 1162 |
| BRAZIL | 314 | 39 | 37 | 41 | 61 | 42 | 49 | 58 | 56 | 74 | 56 | 68 | 57 | 8 | | 960 |
| CHINA P.REP. | 120 | 27 | 22 | 32 | 15 | 10 | 16 | 37 | 42 | 81 | 109 | 159 | 146 | 49 | 1 | 866 |
| MEXICO | 296 | 17 | 25 | 19 | 24 | 28 | 31 | 43 | 46 | 39 | 54 | 49 | 26 | 7 | | 704 |
| IRELAND | 222 | 22 | 19 | 17 | 38 | 30 | 37 | 48 | 60 | 44 | 37 | 58 | 34 | 3 | 2 | 671 |
| SINGAPORE | 69 | 13 | 27 | 18 | 28 | 29 | 25 | 32 | 40 | 79 | 72 | 70 | 70 | 9 | | 581 |
| HUNGARY | 434 | 9 | 6 | 7 | 10 | 13 | 14 | 8 | 19 | 8 | 16 | 12 | 7 | 3 | | 566 |
| ARGENTINA | 201 | 20 | 18 | 25 | 20 | 24 | 29 | 33 | 44 | 28 | 42 | 41 | 18 | 6 | | 549 |
| RUSSIAN FEDERATION | | | 11 | 36 | 43 | 45 | 48 | 55 | 44 | 85 | 57 | 56 | 40 | 12 | 1 | 533 |
| LUXEMBOURG | 274 | 22 | 20 | 15 | 24 | 14 | 15 | 16 | 23 | 22 | 25 | 22 | 19 | 5 | | 516 |
| CZECHOSLOVAKIA | 362 | 5 | 10 | 12 | 3 | 2 | 3 | 1 | 2 | 3 | | | | | | 403 |
| LIECHTENSTEIN | 158 | 9 | 11 | 8 | 8 | 5 | 13 | 10 | 7 | 8 | 11 | 6 | 8 | 9 | | 271 |
| VENEZUELA | 107 | 18 | 12 | 11 | 11 | 5 | 8 | 8 | 9 | 12 | 19 | 9 | 8 | | | 237 |
| POLAND | 145 | 3 | | 5 | 7 | 2 | 7 | 6 | 6 | 7 | 7 | 7 | 3 | 1 | | 206 |
| Others (111) | 1067 | 91 | 88 | 85 | 99 | 133 | 147 | 160 | 188 | 167 | 212 | 211 | 170 | 35 | 1 | 2854 |
| Ownership: | | | | | | | | | | | | | | | | |
| U.S. Corporations | 196937 | 16390 | 17395 | 18406 | 19169 | 21028 | 21144 | 24270 | 23948 | 24764 | 25406 | 23473 | 15852 | 4087 | 87 | 452356 |
| U.S. Government | 6077 | 382 | 385 | 361 | 284 | 290 | 307 | 283 | 268 | 249 | 308 | 291 | 221 | 74 | 2 | 9782 |
| U.S. Individuals | 123340 | 9925 | 9893 | 10610 | 11225 | 11573 | 11160 | 12139 | 11598 | 11170 | 10722 | 9379 | 7293 | 2242 | 67 | 252336 |
| Foreign Corporations | 166923 | 14233 | 14211 | 13910 | 15280 | 16440 | 18800 | 21176 | 21517 | 22651 | 23540 | 23550 | 16953 | 4529 | 168 | 393881 |
| Foreign Government | 2065 | 132 | 125 | 92 | 95 | 93 | 58 | 38 | 21 | 19 | 28 | 6 | 16 | 3 | | 2791 |
| Foreign Individuals | 43552 | 3197 | 3076 | 3411 | 3661 | 3595 | 3950 | 4185 | 4134 | 4529 | 4482 | 4082 | 3218 | 1032 | 34 | 90138 |

Part B

Ranked Listing of Organizations with PATENT GRANTS

As Distributed By Year of Patent Grant

and As Distributed By Year of Patent Application

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

| | Pre 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| CANON KABUSHIKI KAISHA | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 1602 | 183 | 265 | 270 | 216 | 210 | 325 | 264 | 388 | 428 | 529 | 545 | 530 | 597 | 446 | 6798 |
| Patents By Year of Application: | 1973 | 279 | 304 | 314 | 390 | 537 | 446 | 584 | 368 | 411 | 422 | 412 | 278 | 76 | 4 | 6798 |
| GENERAL ELECTRIC COMPANY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 2506 | 173 | 272 | 354 | 364 | 211 | 242 | 203 | 223 | 184 | 292 | 352 | 521 | 418 | 334 | 6649 |
| Patents By Year of Application: | 2872 | 298 | 350 | 299 | 265 | 262 | 194 | 234 | 293 | 386 | 450 | 434 | 255 | 56 | 1 | 6649 |
| GENERAL MOTORS CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 3187 | 349 | 302 | 326 | 248 | 206 | 206 | 204 | 239 | 213 | 191 | 110 | 115 | 202 | 256 | 6354 |
| Patents By Year of Application: | 3585 | 331 | 329 | 260 | 235 | 224 | 245 | 207 | 219 | 107 | 122 | 154 | 259 | 75 | 2 | 6354 |
| HONDA GIKEN KOGYO KABUSHIKI KAISHA (HONDA MOTOR CO., LTD.) | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 2390 | 193 | 142 | 173 | 146 | 160 | 197 | 227 | 242 | 306 | 295 | 367 | 465 | 461 | 492 | 6256 |
| Patents By Year of Application: | 2667 | 160 | 172 | 145 | 201 | 260 | 253 | 303 | 338 | 274 | 466 | 474 | 435 | 102 | 6 | 6256 |
| ROBERT BOSCH GMBH | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 2221 | 182 | 191 | 270 | 205 | 195 | 181 | 172 | 218 | 229 | 321 | 391 | 381 | 429 | 523 | 6109 |
| Patents By Year of Application: | 2498 | 240 | 257 | 183 | 213 | 186 | 246 | 286 | 263 | 416 | 373 | 466 | 384 | 98 | 0 | 6109 |
| NISSAN MOTOR COMPANY, LIMITED | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 2938 | 236 | 239 | 140 | 89 | 62 | 65 | 90 | 105 | 147 | 161 | 169 | 141 | 157 | 149 | 4888 |
| Patents By Year of Application: | 3311 | 197 | 102 | 69 | 76 | 92 | 125 | 129 | 165 | 154 | 146 | 150 | 133 | 36 | 3 | 4888 |
| TOYOTA JIDOSHA K.K. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 2567 | 118 | 109 | 100 | 97 | 108 | 93 | 159 | 266 | 251 | 214 | 220 | 193 | 181 | 174 | 4850 |
| Patents By Year of Application: | 2729 | 103 | 119 | 102 | 100 | 131 | 266 | 337 | 213 | 194 | 188 | 191 | 118 | 52 | 7 | 4850 |
| HITACHI, LTD | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 2107 | 194 | 206 | 173 | 154 | 148 | 143 | 162 | 143 | 118 | 152 | 243 | 270 | 305 | 222 | 4740 |
| Patents By Year of Application: | 2490 | 164 | 170 | 156 | 163 | 164 | 155 | 131 | 155 | 192 | 236 | 340 | 183 | 41 | 0 | 4740 |
| MITSUBISHI DENKI KABUSHIKI KAISHA | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 1297 | 234 | 238 | 178 | 176 | 165 | 112 | 146 | 138 | 150 | 146 | 193 | 188 | 157 | 150 | 3668 |
| Patents By Year of Application: | 1635 | 235 | 193 | 190 | 124 | 147 | 154 | 159 | 147 | 150 | 179 | 194 | 131 | 27 | 3 | 3668 |
| CATERPILLAR INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 1646 | 64 | 46 | 88 | 88 | 102 | 151 | 151 | 148 | 184 | 275 | 201 | 201 | 190 | 130 | 3665 |
| Patents By Year of Application: | 1727 | 62 | 97 | 92 | 158 | 161 | 184 | 205 | 232 | 237 | 210 | 181 | 104 | 15 | 0 | 3665 |
| INTERNATIONAL BUSINESS MACHINES CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 1209 | 80 | 107 | 110 | 113 | 108 | 127 | 134 | 193 | 216 | 239 | 244 | 225 | 225 | 177 | 3507 |
| Patents By Year of Application: | 1341 | 120 | 137 | 110 | 137 | 175 | 188 | 205 | 268 | 236 | 235 | 205 | 108 | 42 | 0 | 3507 |

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

| | Pre | | | | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL |
| SIEMENS AKTIENGESELLSCHAFT | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 1382 | 132 | 98 | 97 | 105 | 105 | 109 | 112 | 124 | 157 | 214 | 202 | 148 | 175 | 192 | 3352 |
| Patents By Year of Application: | 1563 | 95 | 114 | 127 | 111 | 119 | 122 | 146 | 236 | 187 | 171 | 170 | 159 | 31 | 1 | 3352 |
| UNITED STATES OF AMERICA, NAVY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 1438 | 138 | 95 | 128 | 122 | 113 | 87 | 116 | 116 | 117 | 140 | 115 | 156 | 147 | 94 | 3122 |
| Patents By Year of Application: | 1678 | 100 | 123 | 117 | 108 | 108 | 126 | 121 | 127 | 113 | 132 | 131 | 102 | 35 | 1 | 3122 |
| MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 708 | 89 | 121 | 127 | 115 | 124 | 114 | 100 | 165 | 146 | 192 | 213 | 205 | 239 | 256 | 2914 |
| Patents By Year of Application: | 866 | 129 | 128 | 143 | 109 | 146 | 149 | 191 | 186 | 215 | 217 | 247 | 142 | 42 | 4 | 2914 |
| HEWLETT-PACKARD COMPANY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 341 | 76 | 76 | 79 | 98 | 152 | 159 | 184 | 243 | 252 | 299 | 374 | 396 | 168 | 0 | 2897 |
| Patents By Year of Application: | 471 | 86 | 114 | 149 | 194 | 239 | 237 | 282 | 252 | 314 | 306 | 238 | 15 | 0 | 0 | 2897 |
| EASTMAN KODAK COMPANY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 549 | 135 | 143 | 197 | 158 | 114 | 104 | 128 | 229 | 182 | 203 | 161 | 203 | 209 | 172 | 2887 |
| Patents By Year of Application: | 777 | 179 | 197 | 155 | 92 | 134 | 217 | 211 | 244 | 133 | 196 | 181 | 137 | 33 | 1 | 2887 |
| TOSHIBA CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 1216 | 159 | 176 | 153 | 135 | 110 | 106 | 88 | 111 | 100 | 94 | 101 | 104 | 83 | 80 | 2816 |
| Patents By Year of Application: | 1495 | 172 | 140 | 122 | 114 | 119 | 110 | 102 | 91 | 119 | 79 | 88 | 53 | 11 | 1 | 2816 |
| XEROX CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 862 | 110 | 125 | 123 | 135 | 113 | 130 | 114 | 153 | 110 | 133 | 172 | 198 | 155 | 103 | 2736 |
| Patents By Year of Application: | 1052 | 115 | 160 | 142 | 160 | 136 | 125 | 118 | 149 | 162 | 167 | 118 | 100 | 31 | 1 | 2736 |
| FORD MOTOR COMPANY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 1116 | 118 | 145 | 177 | 208 | 230 | 254 | 160 | 64 | 85 | 60 | 10 | 10 | 17 | 17 | 2671 |
| Patents By Year of Application: | 1297 | 142 | 188 | 283 | 228 | 232 | 89 | 71 | 73 | 24 | 12 | 6 | 19 | 7 | 0 | 2671 |
| UNITED TECHNOLOGIES CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 1328 | 97 | 138 | 127 | 113 | 139 | 98 | 71 | 87 | 63 | 87 | 71 | 52 | 34 | 31 | 2536 |
| Patents By Year of Application: | 1528 | 135 | 134 | 129 | 133 | 90 | 74 | 72 | 77 | 66 | 31 | 41 | 21 | 5 | 0 | 2536 |
| BOEING COMPANY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 1132 | 94 | 92 | 53 | 40 | 42 | 38 | 57 | 85 | 76 | 80 | 87 | 116 | 139 | 224 | 2355 |
| Patents By Year of Application: | 1301 | 72 | 46 | 49 | 21 | 99 | 80 | 62 | 80 | 73 | 97 | 151 | 172 | 51 | 1 | 2355 |
| OLYMPUS OPTICAL CO., LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 893 | 70 | 81 | 84 | 73 | 77 | 86 | 99 | 133 | 109 | 143 | 112 | 123 | 139 | 55 | 2277 |
| Patents By Year of Application: | 1023 | 94 | 84 | 101 | 93 | 116 | 101 | 109 | 130 | 126 | 119 | 128 | 46 | 7 | 0 | 2277 |

---- Organizational Patenting

(Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

Pre

1991 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 TOTAL

AISIN SEIKI KABUSHIKI KAISHA

Patents By Year of Grant: 1099 124 108 82 55 49 72 62 101 101 85 79 91 70 73 2251

Patents By Year of Application: 1283 96 68 60 69 70 102 101 93 89 57 96 53 14 0 2251

DEERE + COMPANY

Patents By Year of Grant: 1088 83 57 84 54 63 59 51 63 77 66 108 106 141 139 2239

Patents By Year of Application: 1184 72 75 68 57 64 60 70 72 108 122 143 118 25 1 2239

YAZAKI CORP.

Patents By Year of Grant: 168 51 83 92 88 80 125 186 203 221 223 222 196 180 107 2225

Patents By Year of Application: 227 102 95 101 136 175 220 231 212 192 214 187 109 22 2 2225

WESTINGHOUSE ELECTRIC CORP.

Patents By Year of Grant: 1640 124 139 80 58 65 50 28 35 3 1 0 1 0 0 2224

Patents By Year of Application: 1853 102 70 63 68 37 22 8 0 0 1 0 0 0 0 2224

AMP INCORPORATED

Patents By Year of Grant: 1640 224 206 118 1 0 1 0 0 0 0 0 0 0 0 2190

Patents By Year of Application: 1886 194 109 0 1 0 0 0 0 0 0 0 0 0 0 2190

MINNESOTA MINING AND MANUFACTURING COMPANY

Patents By Year of Grant: 933 139 127 87 151 155 142 138 178 78 18 2 2 0 0 2150

Patents By Year of Application: 1129 129 122 159 196 154 150 95 14 1 1 0 0 0 0 2150

UNITED STATES OF AMERICA, ARMY

Patents By Year of Grant: 1227 69 55 66 83 63 47 68 68 54 48 62 59 51 55 2075

Patents By Year of Application: 1331 60 84 71 53 68 68 63 49 43 61 60 42 21 1 2075

DAIMLER-BENZ AKTIENGESELLSCHAFT

Patents By Year of Grant: 1016 91 78 102 73 78 99 117 176 119 24 8 2 0 0 1983

Patents By Year of Application: 1146 80 93 83 102 118 157 148 55 1 0 0 0 0 0 1983

MEDTRONIC INC.

Patents By Year of Grant: 302 28 59 54 100 72 74 79 215 174 199 158 149 166 147 1976

Patents By Year of Application: 376 53 78 97 82 107 171 209 201 203 179 169 46 5 0 1976

EATON CORPORATION

Patents By Year of Grant: 885 73 98 88 80 87 91 71 61 102 93 60 65 66 51 1971

Patents By Year of Application: 996 82 104 99 92 69 80 85 89 71 77 60 54 13 0 1971

FUJI PHOTO FILM CO., LTD

Patents By Year of Grant: 510 75 85 61 53 60 69 63 94 88 105 106 154 176 220 1919

Patents By Year of Application: 627 82 70 66 72 58 96 113 91 111 140 199 154 39 1 1919

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

| | Pre 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL |
|----------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| HON HAI PRECISION IND. CO., LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 22 | 36 | 94 | 366 | 394 | 318 | 310 | 342 | 1893 |
| Patents By Year of Application: | 0 | 0 | 0 | 0 | 11 | 26 | 34 | 72 | 177 | 468 | 219 | 368 | 362 | 148 | 8 | 1893 |
| ALLIED-SIGNAL INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 958 | 110 | 116 | 96 | 106 | 78 | 84 | 57 | 60 | 55 | 67 | 65 | 14 | 6 | 2 | 1874 |
| Patents By Year of Application: | 1137 | 113 | 120 | 75 | 80 | 75 | 58 | 68 | 64 | 69 | 5 | 8 | 2 | 0 | 0 | 1874 |
| U.S. PHILIPS CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 1064 | 96 | 63 | 45 | 50 | 49 | 52 | 50 | 82 | 100 | 71 | 67 | 16 | 0 | 0 | 1805 |
| Patents By Year of Application: | 1202 | 56 | 53 | 47 | 61 | 63 | 73 | 109 | 63 | 48 | 28 | 2 | 0 | 0 | 0 | 1805 |
| MAZDA MOTOR CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 826 | 174 | 178 | 138 | 102 | 79 | 38 | 31 | 38 | 30 | 38 | 29 | 35 | 31 | 37 | 1804 |
| Patents By Year of Application: | 1087 | 174 | 116 | 94 | 71 | 30 | 34 | 32 | 35 | 20 | 39 | 31 | 31 | 8 | 2 | 1804 |
| SAMSUNG ELECTRONICS CO., LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 21 | 19 | 39 | 73 | 43 | 62 | 83 | 85 | 230 | 248 | 241 | 159 | 162 | 141 | 170 | 1776 |
| Patents By Year of Application: | 72 | 47 | 64 | 58 | 89 | 94 | 217 | 275 | 278 | 132 | 130 | 141 | 134 | 44 | 1 | 1776 |
| SEIKO EPSON CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 65 | 35 | 47 | 46 | 35 | 39 | 46 | 66 | 109 | 120 | 171 | 216 | 244 | 239 | 248 | 1726 |
| Patents By Year of Application: | 144 | 42 | 46 | 58 | 61 | 92 | 112 | 163 | 155 | 204 | 218 | 201 | 186 | 42 | 2 | 1726 |
| AT&T CORP. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 1074 | 81 | 87 | 89 | 86 | 88 | 61 | 1 | 8 | 11 | 14 | 10 | 11 | 15 | 16 | 1652 |
| Patents By Year of Application: | 1197 | 87 | 95 | 99 | 75 | 15 | 8 | 14 | 16 | 21 | 9 | 7 | 7 | 2 | 0 | 1652 |
| BROTHER KOGYO KABUSHIKI KAISHA | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 360 | 115 | 109 | 70 | 81 | 73 | 64 | 68 | 114 | 155 | 136 | 101 | 58 | 50 | 95 | 1649 |
| Patents By Year of Application: | 528 | 81 | 106 | 73 | 93 | 75 | 138 | 131 | 167 | 75 | 41 | 52 | 67 | 20 | 2 | 1649 |
| NIPPONDENSO CO., LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 775 | 35 | 53 | 68 | 94 | 98 | 156 | 147 | 108 | 28 | 13 | 7 | 2 | 0 | 0 | 1584 |
| Patents By Year of Application: | 837 | 55 | 93 | 110 | 127 | 184 | 141 | 22 | 8 | 5 | 2 | 0 | 0 | 0 | 0 | 1584 |
| HEIDELBERGER DRUCKMASCHINEN AG | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 190 | 52 | 56 | 39 | 57 | 91 | 82 | 82 | 121 | 90 | 112 | 87 | 123 | 190 | 171 | 1543 |
| Patents By Year of Application: | 281 | 33 | 47 | 97 | 90 | 114 | 103 | 101 | 126 | 127 | 150 | 163 | 93 | 18 | 0 | 1543 |
| PROCTER + GAMBLE COMPANY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 289 | 42 | 31 | 38 | 59 | 50 | 99 | 99 | 105 | 136 | 108 | 103 | 127 | 124 | 97 | 1507 |
| Patents By Year of Application: | 349 | 31 | 54 | 63 | 89 | 118 | 154 | 148 | 111 | 99 | 131 | 97 | 47 | 16 | 0 | 1507 |

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

| | Pre 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| SONY CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 243 | 27 | 45 | 61 | 71 | 88 | 92 | 109 | 117 | 101 | 127 | 99 | 102 | 107 | 88 | 1477 |
| Patents By Year of Application: | 297 | 57 | 82 | 76 | 106 | 111 | 133 | 128 | 107 | 114 | 109 | 103 | 36 | 18 | 0 | 1477 |
| YAMAHA HATSUDOKI KABUSHIKI KAISHA, YAMAHA MOTOR CO., LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 436 | 69 | 80 | 81 | 52 | 53 | 69 | 68 | 118 | 93 | 95 | 77 | 58 | 44 | 34 | 1427 |
| Patents By Year of Application: | 559 | 73 | 79 | 60 | 79 | 78 | 118 | 113 | 78 | 73 | 52 | 34 | 27 | 2 | 2 | 1427 |
| ILLINOIS TOOL WORKS INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 368 | 38 | 37 | 58 | 23 | 43 | 58 | 69 | 95 | 71 | 86 | 117 | 88 | 128 | 123 | 1402 |
| Patents By Year of Application: | 420 | 36 | 48 | 41 | 58 | 80 | 81 | 77 | 86 | 113 | 123 | 119 | 94 | 26 | 0 | 1402 |
| CARRIER CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 547 | 67 | 54 | 48 | 55 | 58 | 38 | 35 | 50 | 51 | 91 | 86 | 73 | 76 | 70 | 1399 |
| Patents By Year of Application: | 635 | 60 | 42 | 59 | 58 | 41 | 56 | 55 | 85 | 59 | 79 | 79 | 68 | 22 | 1 | 1399 |
| DELPHI TECHNOLOGIES, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 64 | 224 | 412 | 393 | 304 | 1397 |
| Patents By Year of Application: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 236 | 347 | 446 | 260 | 83 | 2 | 1397 |
| DENSO CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 74 | 144 | 176 | 200 | 220 | 270 | 304 | 1395 |
| Patents By Year of Application: | 0 | 0 | 0 | 0 | 0 | 2 | 54 | 174 | 179 | 180 | 190 | 263 | 235 | 112 | 6 | 1395 |
| RICOH COMPANY, LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 546 | 65 | 68 | 46 | 52 | 44 | 42 | 37 | 58 | 56 | 59 | 78 | 74 | 69 | 99 | 1393 |
| Patents By Year of Application: | 661 | 48 | 60 | 53 | 47 | 43 | 55 | 64 | 58 | 66 | 79 | 73 | 70 | 15 | 1 | 1393 |
| NEC CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 169 | 27 | 19 | 53 | 60 | 56 | 58 | 87 | 107 | 117 | 198 | 173 | 143 | 85 | 38 | 1390 |
| Patents By Year of Application: | 210 | 29 | 74 | 48 | 77 | 87 | 131 | 170 | 200 | 162 | 116 | 65 | 18 | 3 | 0 | 1390 |
| CHRYSLER MOTORS CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 422 | 63 | 38 | 52 | 80 | 89 | 120 | 107 | 107 | 158 | 121 | 27 | 4 | 0 | 0 | 1388 |
| Patents By Year of Application: | 495 | 39 | 70 | 86 | 121 | 127 | 134 | 148 | 154 | 11 | 3 | 0 | 0 | 0 | 0 | 1388 |
| WHITAKER CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 55 | 149 | 169 | 176 | 166 | 169 | 184 | 213 | 50 | 27 | 5 | 1 | 1364 |
| Patents By Year of Application: | 0 | 4 | 89 | 192 | 208 | 181 | 196 | 211 | 187 | 77 | 15 | 4 | 0 | 0 | 0 | 1364 |
| FUJITSU LIMITED | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 186 | 35 | 52 | 46 | 67 | 66 | 82 | 76 | 107 | 110 | 115 | 110 | 121 | 95 | 87 | 1355 |
| Patents By Year of Application: | 260 | 47 | 61 | 71 | 94 | 110 | 109 | 128 | 139 | 111 | 86 | 79 | 56 | 4 | 0 | 1355 |

---- Organizational Patenting

(Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

| | Pre | | | | | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|--|
| | 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL | |
| UNITED STATES OF AMERICA, NATIONAL AERONAUTICS AND SPACE ADMINISTRATION | | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 713 | 67 | 63 | 77 | 57 | 45 | 33 | 34 | 30 | 43 | 36 | 39 | 39 | 36 | 39 | 1351 | |
| Patents By Year of Application: | 803 | 77 | 65 | 63 | 41 | 41 | 39 | 41 | 36 | 31 | 38 | 35 | 34 | 7 | 0 | 1351 | |
| NIKON CORPORATION | | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 300 | 25 | 23 | 28 | 33 | 50 | 105 | 151 | 195 | 116 | 77 | 73 | 65 | 65 | 41 | 1347 | |
| Patents By Year of Application: | 334 | 28 | 34 | 48 | 107 | 151 | 177 | 152 | 69 | 71 | 80 | 54 | 35 | 6 | 1 | 1347 | |
| SCI-MED LIFE SYSTEMS, INC. | | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 8 | 6 | 11 | 20 | 22 | 39 | 45 | 31 | 50 | 80 | 138 | 163 | 196 | 284 | 218 | 1311 | |
| Patents By Year of Application: | 26 | 17 | 26 | 31 | 47 | 54 | 52 | 107 | 158 | 207 | 231 | 257 | 80 | 18 | 0 | 1311 | |
| LUCAS INDUSTRIES PUBLIC LTD. COMPANY | | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 801 | 55 | 30 | 34 | 25 | 38 | 43 | 43 | 45 | 34 | 38 | 56 | 36 | 21 | 10 | 1309 | |
| Patents By Year of Application: | 876 | 33 | 27 | 31 | 43 | 51 | 52 | 37 | 48 | 42 | 35 | 24 | 10 | 0 | 0 | 1309 | |
| E. I. DU PONT DE NEMOURS AND COMPANY | | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 747 | 86 | 72 | 76 | 59 | 33 | 39 | 20 | 27 | 19 | 30 | 20 | 23 | 22 | 31 | 1304 | |
| Patents By Year of Application: | 869 | 83 | 68 | 44 | 33 | 33 | 24 | 34 | 22 | 22 | 30 | 17 | 21 | 4 | 0 | 1304 | |
| TRW INC. | | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 415 | 19 | 25 | 43 | 37 | 39 | 50 | 56 | 64 | 77 | 121 | 134 | 82 | 58 | 28 | 1248 | |
| Patents By Year of Application: | 449 | 43 | 43 | 37 | 32 | 68 | 77 | 98 | 117 | 107 | 97 | 66 | 14 | 0 | 0 | 1248 | |
| ASAHI KOGAKU KOGYO KABUSHIKI KAISHA | | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 223 | 43 | 44 | 82 | 68 | 46 | 76 | 57 | 107 | 121 | 111 | 127 | 126 | 5 | 1 | 1237 | |
| Patents By Year of Application: | 311 | 64 | 87 | 50 | 81 | 62 | 93 | 104 | 123 | 127 | 92 | 42 | 1 | 0 | 0 | 1237 | |
| FORD GLOBAL TECHNOLOGIES, INC. | | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 65 | 215 | 166 | 175 | 245 | 258 | 103 | 5 | 1232 | |
| Patents By Year of Application: | 0 | 0 | 1 | 5 | 12 | 35 | 163 | 193 | 181 | 198 | 287 | 128 | 27 | 2 | 0 | 1232 | |
| SUMITOMO WIRING SYSTEMS, LTD., CO. | | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 12 | 5 | 11 | 21 | 54 | 92 | 103 | 90 | 92 | 106 | 113 | 123 | 145 | 130 | 127 | 1224 | |
| Patents By Year of Application: | 20 | 18 | 38 | 67 | 149 | 102 | 89 | 114 | 85 | 101 | 125 | 139 | 112 | 63 | 2 | 1224 | |
| UNITED STATES OF AMERICA, DEPARTMENT OF ENERGY | | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 821 | 58 | 57 | 45 | 50 | 28 | 22 | 24 | 22 | 4 | 14 | 20 | 13 | 7 | 8 | 1193 | |
| Patents By Year of Application: | 911 | 54 | 48 | 47 | 15 | 27 | 24 | 10 | 11 | 12 | 16 | 9 | 8 | 1 | 0 | 1193 | |
| LUCENT TECHNOLOGIES INC. | | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 122 | 121 | 193 | 274 | 212 | 85 | 93 | 58 | 1189 | |
| Patents By Year of Application: | 0 | 0 | 1 | 2 | 27 | 142 | 112 | 179 | 305 | 257 | 95 | 46 | 13 | 10 | 0 | 1189 | |

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

| | Pre | | | | | | | | | | | | | | | |
|-------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL |
| MINOLTA CAMERA CO., LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 346 | 49 | 52 | 42 | 32 | 25 | 39 | 41 | 46 | 99 | 115 | 111 | 75 | 49 | 39 | 1160 |
| Patents By Year of Application: | 438 | 47 | 36 | 39 | 35 | 47 | 59 | 125 | 103 | 100 | 62 | 42 | 21 | 6 | 0 | 1160 |
| MOLEX INCORPORATED | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 165 | 49 | 73 | 80 | 78 | 48 | 53 | 68 | 70 | 84 | 104 | 101 | 64 | 37 | 83 | 1157 |
| Patents By Year of Application: | 226 | 67 | 88 | 89 | 66 | 67 | 78 | 97 | 92 | 91 | 74 | 48 | 38 | 34 | 2 | 1157 |
| MOTOROLA, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 342 | 52 | 50 | 59 | 86 | 72 | 64 | 69 | 75 | 76 | 70 | 44 | 39 | 34 | 22 | 1154 |
| Patents By Year of Application: | 415 | 62 | 67 | 90 | 77 | 85 | 88 | 80 | 55 | 31 | 63 | 20 | 20 | 1 | 0 | 1154 |
| HONEYWELL INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 650 | 60 | 45 | 45 | 60 | 59 | 40 | 23 | 40 | 46 | 35 | 12 | 5 | 3 | 2 | 1125 |
| Patents By Year of Application: | 742 | 58 | 52 | 68 | 38 | 31 | 31 | 55 | 30 | 17 | 0 | 1 | 2 | 0 | 0 | 1125 |
| DAIMLER-CHRYSLER AKTIENGESELLSCHAFT | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 62 | 242 | 298 | 197 | 171 | 153 | 1123 |
| Patents By Year of Application: | 1 | 0 | 0 | 1 | 1 | 2 | 9 | 79 | 188 | 306 | 209 | 176 | 120 | 29 | 2 | 1123 |
| DANA CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 317 | 39 | 33 | 40 | 56 | 37 | 46 | 69 | 59 | 65 | 83 | 75 | 63 | 56 | 56 | 1094 |
| Patents By Year of Application: | 372 | 53 | 52 | 30 | 56 | 76 | 73 | 71 | 61 | 83 | 47 | 75 | 35 | 9 | 1 | 1094 |
| BAXTER INTERNATIONAL INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 538 | 51 | 39 | 40 | 53 | 48 | 42 | 30 | 44 | 56 | 42 | 31 | 23 | 31 | 25 | 1093 |
| Patents By Year of Application: | 625 | 43 | 44 | 58 | 49 | 50 | 41 | 51 | 43 | 36 | 16 | 21 | 15 | 1 | 0 | 1093 |
| ROCKWELL INTERNATIONAL CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 800 | 53 | 59 | 48 | 52 | 28 | 30 | 15 | 4 | 3 | 0 | 0 | 1 | 0 | 0 | 1093 |
| Patents By Year of Application: | 892 | 61 | 49 | 37 | 27 | 18 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1093 |
| UNITED STATES OF AMERICA, AIR FORCE | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 694 | 41 | 56 | 40 | 40 | 17 | 18 | 19 | 27 | 27 | 21 | 27 | 27 | 23 | 11 | 1088 |
| Patents By Year of Application: | 783 | 42 | 37 | 26 | 24 | 18 | 23 | 23 | 21 | 26 | 30 | 23 | 10 | 2 | 0 | 1088 |
| APPLIED MATERIALS, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 16 | 4 | 12 | 19 | 14 | 21 | 32 | 34 | 54 | 109 | 161 | 172 | 170 | 157 | 110 | 1085 |
| Patents By Year of Application: | 29 | 15 | 19 | 24 | 37 | 64 | 94 | 129 | 141 | 148 | 215 | 91 | 67 | 12 | 0 | 1085 |
| BRIDGESTONE CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 422 | 46 | 54 | 52 | 55 | 47 | 27 | 34 | 40 | 51 | 52 | 66 | 55 | 42 | 38 | 1081 |
| Patents By Year of Application: | 519 | 46 | 61 | 34 | 39 | 48 | 40 | 57 | 65 | 67 | 55 | 36 | 10 | 4 | 0 | 1081 |

----- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ----- Ranked List of Organizations with 200 or More Patents -----

| | Pre 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| GOODYEAR TIRE + RUBBER COMPANY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 464 | 31 | 17 | 30 | 40 | 23 | 23 | 30 | 36 | 21 | 38 | 53 | 108 | 89 | 66 | 1069 |
| Patents By Year of Application: | 514 | 25 | 32 | 28 | 31 | 37 | 34 | 32 | 40 | 44 | 109 | 87 | 40 | 16 | 0 | 1069 |
| TOYODA JIDOSHOKKI SEISAKUSHO KABUSHIKI KAISHA | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 312 | 37 | 19 | 31 | 43 | 41 | 46 | 36 | 68 | 69 | 86 | 105 | 105 | 55 | 8 | 1061 |
| Patents By Year of Application: | 357 | 19 | 41 | 49 | 47 | 47 | 55 | 95 | 95 | 81 | 101 | 73 | 1 | 0 | 0 | 1061 |
| SUMITOMO ELECTRIC INDUSTRIES CO., LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 312 | 39 | 51 | 53 | 58 | 55 | 64 | 45 | 32 | 37 | 38 | 74 | 59 | 80 | 62 | 1059 |
| Patents By Year of Application: | 378 | 53 | 51 | 61 | 68 | 62 | 36 | 48 | 49 | 59 | 76 | 68 | 45 | 5 | 0 | 1059 |
| MICRON TECHNOLOGY, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 12 | 16 | 10 | 18 | 7 | 4 | 8 | 34 | 49 | 76 | 113 | 185 | 214 | 176 | 134 | 1056 |
| Patents By Year of Application: | 35 | 8 | 19 | 7 | 8 | 26 | 62 | 95 | 110 | 169 | 188 | 205 | 111 | 13 | 0 | 1056 |
| UNISYS CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 909 | 15 | 4 | 4 | 8 | 14 | 11 | 9 | 7 | 8 | 14 | 18 | 12 | 15 | 8 | 1056 |
| Patents By Year of Application: | 930 | 4 | 2 | 11 | 15 | 9 | 12 | 10 | 20 | 10 | 12 | 14 | 6 | 1 | 0 | 1056 |
| SHARP KABUSHIKI KAISHA (SHARP CORPORATION) | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 377 | 56 | 39 | 43 | 37 | 36 | 26 | 33 | 50 | 58 | 70 | 61 | 56 | 40 | 55 | 1037 |
| Patents By Year of Application: | 462 | 45 | 41 | 35 | 28 | 64 | 43 | 65 | 69 | 39 | 58 | 56 | 23 | 9 | 0 | 1037 |
| HALLIBURTON CO. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 560 | 44 | 46 | 61 | 140 | 61 | 72 | 23 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 1026 |
| Patents By Year of Application: | 622 | 58 | 109 | 107 | 58 | 47 | 21 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1026 |
| BAKER HUGHES INCORPORATED | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 74 | 31 | 37 | 46 | 62 | 50 | 49 | 54 | 73 | 73 | 84 | 116 | 84 | 97 | 82 | 1012 |
| Patents By Year of Application: | 121 | 46 | 57 | 51 | 54 | 77 | 67 | 107 | 96 | 71 | 98 | 92 | 68 | 7 | 0 | 1012 |
| MOBIL OIL CORP. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 721 | 51 | 48 | 45 | 46 | 39 | 19 | 9 | 6 | 10 | 7 | 7 | 2 | 1 | 1 | 1012 |
| Patents By Year of Application: | 789 | 53 | 43 | 49 | 25 | 16 | 7 | 13 | 7 | 8 | 2 | 0 | 0 | 0 | 0 | 1012 |
| TEXAS INSTRUMENTS, INCORPORATED | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 309 | 38 | 59 | 44 | 50 | 59 | 64 | 68 | 55 | 49 | 49 | 40 | 34 | 29 | 46 | 993 |
| Patents By Year of Application: | 390 | 55 | 46 | 59 | 64 | 105 | 45 | 54 | 35 | 28 | 43 | 31 | 29 | 9 | 0 | 993 |
| SANSKIN KOGYO KABUSHIKI KAISHA | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 214 | 68 | 42 | 54 | 53 | 28 | 72 | 58 | 82 | 68 | 82 | 62 | 69 | 33 | 2 | 987 |
| Patents By Year of Application: | 306 | 44 | 51 | 57 | 47 | 72 | 97 | 77 | 80 | 62 | 60 | 30 | 4 | 0 | 0 | 987 |

---- Organizational Patenting

(Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

| | Pre 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL |
|-------------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| ROLLS-ROYCE PLC | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 492 | 36 | 49 | 42 | 32 | 42 | 25 | 23 | 19 | 27 | 36 | 34 | 33 | 50 | 38 | 978 |
| Patents By Year of Application: | 576 | 33 | 21 | 43 | 37 | 28 | 20 | 36 | 27 | 32 | 35 | 42 | 41 | 7 | 0 | 978 |
| FMC CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 593 | 39 | 42 | 35 | 29 | 24 | 26 | 28 | 49 | 42 | 32 | 16 | 20 | 1 | 1 | 977 |
| Patents By Year of Application: | 657 | 45 | 27 | 32 | 26 | 28 | 44 | 43 | 25 | 23 | 26 | 1 | 0 | 0 | 0 | 977 |
| YOSHIDA KOGYO KABUSHIKI KAISHA | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 737 | 60 | 48 | 33 | 45 | 40 | 6 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 970 |
| Patents By Year of Application: | 812 | 45 | 31 | 61 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 970 |
| CASE CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 471 | 27 | 22 | 33 | 17 | 18 | 26 | 22 | 30 | 45 | 55 | 58 | 41 | 65 | 35 | 965 |
| Patents By Year of Application: | 513 | 22 | 29 | 17 | 26 | 33 | 38 | 37 | 52 | 59 | 41 | 55 | 35 | 8 | 0 | 965 |
| SHELL OIL COMPANY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 470 | 30 | 32 | 30 | 61 | 42 | 27 | 22 | 13 | 18 | 30 | 30 | 28 | 40 | 87 | 960 |
| Patents By Year of Application: | 511 | 36 | 54 | 53 | 38 | 29 | 17 | 25 | 26 | 20 | 42 | 81 | 22 | 6 | 0 | 960 |
| PITNEY-BOWES, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 368 | 29 | 51 | 55 | 40 | 58 | 39 | 37 | 46 | 47 | 25 | 34 | 28 | 41 | 54 | 952 |
| Patents By Year of Application: | 431 | 54 | 49 | 49 | 64 | 40 | 51 | 40 | 22 | 41 | 22 | 45 | 34 | 10 | 0 | 952 |
| BRUNSWICK CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 506 | 27 | 30 | 11 | 20 | 23 | 13 | 21 | 41 | 42 | 54 | 47 | 45 | 33 | 37 | 950 |
| Patents By Year of Application: | 543 | 24 | 9 | 28 | 20 | 20 | 33 | 53 | 38 | 44 | 45 | 45 | 36 | 11 | 1 | 950 |
| UNITED STATES SURGICAL CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 101 | 26 | 43 | 43 | 100 | 141 | 125 | 83 | 88 | 85 | 39 | 25 | 13 | 14 | 14 | 940 |
| Patents By Year of Application: | 161 | 49 | 97 | 145 | 121 | 114 | 92 | 74 | 30 | 19 | 13 | 18 | 6 | 1 | 0 | 940 |
| SCHLUMBERGER TECHNOLOGY CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 215 | 26 | 28 | 24 | 28 | 15 | 19 | 19 | 18 | 40 | 54 | 93 | 113 | 98 | 114 | 904 |
| Patents By Year of Application: | 264 | 27 | 18 | 21 | 20 | 22 | 28 | 44 | 60 | 72 | 126 | 102 | 95 | 5 | 0 | 904 |
| HUGHES AIRCRAFT COMPANY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 367 | 90 | 70 | 95 | 105 | 76 | 54 | 30 | 13 | 1 | 0 | 0 | 0 | 0 | 0 | 901 |
| Patents By Year of Application: | 503 | 100 | 113 | 87 | 55 | 30 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 901 |
| FUJI JUKOGYO KABUSHIKI KAISHA | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 384 | 100 | 45 | 29 | 24 | 23 | 17 | 25 | 23 | 22 | 31 | 34 | 26 | 61 | 55 | 899 |
| Patents By Year of Application: | 510 | 31 | 31 | 26 | 20 | 24 | 24 | 25 | 31 | 29 | 25 | 68 | 40 | 14 | 1 | 899 |

---- Organizational Patenting

(Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

| | Pre | | | | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL |
| BECTON, DICKINSON AND COMPANY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 245 | 31 | 28 | 35 | 37 | 28 | 36 | 46 | 79 | 74 | 56 | 48 | 35 | 63 | 50 | 891 |
| Patents By Year of Application: | 298 | 21 | 41 | 37 | 46 | 42 | 78 | 76 | 65 | 52 | 55 | 44 | 28 | 8 | 0 | 891 |
| PORSCHKE AG | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 329 | 46 | 42 | 28 | 26 | 28 | 40 | 37 | 25 | 45 | 35 | 42 | 51 | 45 | 54 | 873 |
| Patents By Year of Application: | 389 | 38 | 26 | 37 | 36 | 45 | 35 | 42 | 39 | 34 | 44 | 47 | 52 | 9 | 0 | 873 |
| MANNESMANN AG | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 329 | 47 | 51 | 73 | 44 | 41 | 32 | 34 | 45 | 47 | 54 | 39 | 12 | 14 | 1 | 863 |
| Patents By Year of Application: | 421 | 65 | 45 | 47 | 31 | 41 | 38 | 50 | 51 | 53 | 16 | 4 | 1 | 0 | 0 | 863 |
| BLACK & DECKER INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 286 | 22 | 18 | 15 | 25 | 38 | 24 | 36 | 58 | 50 | 54 | 65 | 51 | 60 | 57 | 859 |
| Patents By Year of Application: | 315 | 18 | 18 | 32 | 44 | 35 | 60 | 57 | 51 | 66 | 45 | 63 | 49 | 6 | 0 | 859 |
| DRESSER INDUSTRIES, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 598 | 28 | 27 | 17 | 18 | 11 | 13 | 21 | 23 | 37 | 32 | 17 | 3 | 1 | 0 | 846 |
| Patents By Year of Application: | 641 | 20 | 17 | 10 | 22 | 22 | 25 | 27 | 44 | 13 | 3 | 2 | 0 | 0 | 0 | 846 |
| M.A.N. ROLAND DRUCKMASCHINEN AG | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 329 | 36 | 47 | 31 | 35 | 26 | 43 | 35 | 50 | 34 | 34 | 22 | 31 | 34 | 32 | 819 |
| Patents By Year of Application: | 382 | 40 | 38 | 35 | 35 | 48 | 39 | 51 | 34 | 32 | 30 | 32 | 15 | 8 | 0 | 819 |
| HALLIBURTON ENERGY SERVICES, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 22 | 60 | 93 | 114 | 131 | 129 | 122 | 143 | 815 |
| Patents By Year of Application: | 0 | 0 | 1 | 0 | 0 | 9 | 64 | 94 | 132 | 111 | 124 | 135 | 127 | 18 | 0 | 815 |
| OTIS ELEVATOR COMPANY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 140 | 53 | 36 | 59 | 71 | 40 | 50 | 52 | 76 | 68 | 31 | 36 | 59 | 25 | 15 | 811 |
| Patents By Year of Application: | 210 | 56 | 57 | 68 | 65 | 62 | 66 | 62 | 34 | 33 | 54 | 33 | 9 | 2 | 0 | 811 |
| SUMITOMO RUBBER INDUSTRIES, LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 101 | 30 | 39 | 34 | 42 | 54 | 39 | 41 | 51 | 33 | 50 | 58 | 58 | 85 | 89 | 804 |
| Patents By Year of Application: | 167 | 42 | 39 | 42 | 62 | 33 | 46 | 52 | 52 | 71 | 70 | 74 | 43 | 11 | 0 | 804 |
| HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 360 | 436 | 796 |
| Patents By Year of Application: | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 2 | 3 | 9 | 51 | 309 | 319 | 95 | 4 | 796 |
| ETHICON, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 170 | 15 | 30 | 47 | 63 | 60 | 38 | 36 | 35 | 43 | 52 | 56 | 41 | 66 | 43 | 795 |
| Patents By Year of Application: | 197 | 32 | 65 | 78 | 45 | 42 | 41 | 39 | 56 | 56 | 56 | 71 | 13 | 4 | 0 | 795 |

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

| | Pre | | | | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL |
| WHIRLPOOL CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 420 | 49 | 29 | 35 | 35 | 26 | 30 | 13 | 22 | 26 | 19 | 12 | 22 | 31 | 21 | 790 |
| Patents By Year of Application: | 493 | 16 | 30 | 45 | 32 | 19 | 13 | 35 | 13 | 19 | 17 | 31 | 17 | 10 | 0 | 790 |
| OUTBOARD MARINE CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 500 | 54 | 36 | 39 | 22 | 30 | 27 | 13 | 17 | 13 | 15 | 16 | 2 | 1 | 0 | 785 |
| Patents By Year of Application: | 576 | 31 | 33 | 31 | 24 | 25 | 16 | 16 | 13 | 14 | 5 | 1 | 0 | 0 | 0 | 785 |
| ITT CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 494 | 37 | 36 | 31 | 42 | 51 | 39 | 22 | 15 | 6 | 0 | 0 | 0 | 0 | 0 | 773 |
| Patents By Year of Application: | 545 | 47 | 35 | 58 | 49 | 29 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 773 |
| KIMBERLY-CLARK WORLDWIDE, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 | 57 | 74 | 94 | 100 | 103 | 167 | 142 | 770 |
| Patents By Year of Application: | 0 | 0 | 0 | 6 | 17 | 46 | 72 | 102 | 69 | 134 | 139 | 127 | 56 | 2 | 0 | 770 |
| SUNDSTRAND CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 449 | 101 | 87 | 40 | 24 | 7 | 13 | 14 | 15 | 14 | 4 | 1 | 0 | 0 | 0 | 769 |
| Patents By Year of Application: | 630 | 48 | 24 | 12 | 12 | 12 | 15 | 14 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 769 |
| TEXACO INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 538 | 25 | 24 | 35 | 22 | 29 | 13 | 6 | 8 | 13 | 23 | 14 | 7 | 4 | 1 | 762 |
| Patents By Year of Application: | 577 | 28 | 32 | 25 | 21 | 10 | 10 | 14 | 24 | 10 | 6 | 4 | 0 | 1 | 0 | 762 |
| NSK LIMITED | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 4 | 22 | 39 | 48 | 70 | 52 | 43 | 48 | 57 | 96 | 99 | 85 | 94 | 757 |
| Patents By Year of Application: | 0 | 15 | 30 | 50 | 57 | 74 | 43 | 64 | 73 | 89 | 83 | 107 | 55 | 17 | 0 | 757 |
| HILTI AKTIENGESELLSCHAFT | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 273 | 25 | 19 | 13 | 18 | 13 | 27 | 37 | 38 | 26 | 48 | 31 | 49 | 71 | 64 | 752 |
| Patents By Year of Application: | 304 | 16 | 20 | 15 | 22 | 32 | 42 | 32 | 32 | 41 | 48 | 72 | 62 | 14 | 0 | 752 |
| SINGER COMPANY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 748 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 748 |
| Patents By Year of Application: | 748 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 748 |
| BENDIX CORPORATION(NOW ALLIED-SIGNAL INC.) | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 744 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 744 |
| Patents By Year of Application: | 744 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 744 |
| UNIVERSITY OF CALIFORNIA, THE REGENTS OF | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 125 | 8 | 10 | 19 | 17 | 37 | 23 | 40 | 59 | 78 | 66 | 51 | 79 | 74 | 56 | 742 |
| Patents By Year of Application: | 140 | 15 | 21 | 33 | 47 | 48 | 58 | 80 | 61 | 66 | 66 | 63 | 38 | 6 | 0 | 742 |

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

| | Pre 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL |
|---------------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| KABUSHIKI KAISHA KOMATSU SEISAKUSHO | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 433 | 24 | 44 | 53 | 45 | 35 | 59 | 28 | 14 | 3 | 0 | 0 | 0 | 0 | 0 | 738 |
| Patents By Year of Application: | 491 | 47 | 53 | 33 | 50 | 54 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 738 |
| MITSUBISHI JUKOGYO KABUSHIKI KAISHA | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 373 | 40 | 61 | 58 | 41 | 41 | 34 | 29 | 30 | 13 | 5 | 3 | 0 | 1 | 0 | 729 |
| Patents By Year of Application: | 438 | 68 | 53 | 38 | 38 | 39 | 34 | 17 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 729 |
| SANYO ELECTRIC CO., LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 145 | 29 | 31 | 26 | 24 | 24 | 26 | 34 | 67 | 53 | 65 | 45 | 51 | 48 | 43 | 711 |
| Patents By Year of Application: | 191 | 29 | 23 | 31 | 27 | 40 | 62 | 65 | 53 | 37 | 57 | 44 | 44 | 8 | 0 | 711 |
| SHIMANO INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 13 | 44 | 69 | 25 | 29 | 32 | 59 | 73 | 74 | 76 | 82 | 77 | 47 | 700 |
| Patents By Year of Application: | 12 | 43 | 69 | 24 | 31 | 30 | 59 | 95 | 62 | 64 | 76 | 77 | 49 | 9 | 0 | 700 |
| ADVANCED CARDIOVASCULAR SYSTEMS, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 54 | 15 | 10 | 13 | 19 | 22 | 28 | 20 | 27 | 36 | 52 | 72 | 87 | 156 | 87 | 698 |
| Patents By Year of Application: | 77 | 16 | 17 | 31 | 28 | 22 | 26 | 54 | 56 | 122 | 124 | 102 | 19 | 4 | 0 | 698 |
| SANDEN CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 253 | 57 | 48 | 35 | 31 | 19 | 22 | 18 | 23 | 40 | 41 | 35 | 29 | 23 | 21 | 695 |
| Patents By Year of Application: | 338 | 35 | 32 | 30 | 24 | 22 | 24 | 40 | 35 | 38 | 25 | 25 | 15 | 12 | 0 | 695 |
| 3M INNOVATIVE PROPERTIES COMPANY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57 | 120 | 115 | 117 | 151 | 134 | 694 |
| Patents By Year of Application: | 0 | 0 | 0 | 0 | 1 | 13 | 18 | 76 | 116 | 108 | 131 | 131 | 80 | 20 | 0 | 694 |
| TOKYO ELECTRON LIMITED | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 7 | 11 | 7 | 15 | 33 | 40 | 47 | 35 | 44 | 59 | 86 | 69 | 87 | 75 | 79 | 694 |
| Patents By Year of Application: | 21 | 12 | 20 | 50 | 49 | 41 | 57 | 67 | 82 | 66 | 105 | 81 | 29 | 14 | 0 | 694 |
| HYUNDAI MOTOR CO., LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 3 | 1 | 4 | 13 | 16 | 42 | 56 | 79 | 81 | 42 | 75 | 115 | 85 | 78 | 690 |
| Patents By Year of Application: | 3 | 4 | 7 | 22 | 22 | 73 | 87 | 92 | 27 | 76 | 114 | 67 | 85 | 11 | 0 | 690 |
| PHILLIPS PETROLEUM COMPANY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 576 | 15 | 10 | 7 | 9 | 4 | 8 | 10 | 7 | 10 | 7 | 12 | 8 | 2 | 0 | 685 |
| Patents By Year of Application: | 597 | 7 | 10 | 7 | 9 | 5 | 12 | 6 | 12 | 7 | 8 | 5 | 0 | 0 | 0 | 685 |
| ZAHNRADFABRIK FRIEDRICHSHAFEN AG | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 299 | 25 | 33 | 17 | 12 | 12 | 21 | 16 | 32 | 27 | 33 | 37 | 30 | 39 | 51 | 684 |
| Patents By Year of Application: | 347 | 28 | 9 | 11 | 15 | 21 | 27 | 30 | 29 | 42 | 29 | 45 | 45 | 6 | 0 | 684 |

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

| | Pre | | | | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL |
| L'OREAL S.A. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 154 | 16 | 19 | 21 | 27 | 25 | 36 | 17 | 36 | 60 | 58 | 66 | 53 | 44 | 39 | 671 |
| Patents By Year of Application: | 179 | 25 | 16 | 31 | 40 | 29 | 47 | 48 | 55 | 46 | 61 | 74 | 19 | 1 | 0 | 671 |
| MITSUBISHI JIDOSHA KOGYO KABUSHIKI KAISHA | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 225 | 25 | 24 | 24 | 40 | 39 | 25 | 28 | 53 | 53 | 26 | 23 | 22 | 23 | 35 | 665 |
| Patents By Year of Application: | 262 | 26 | 30 | 49 | 29 | 36 | 31 | 71 | 35 | 13 | 24 | 18 | 25 | 16 | 0 | 665 |
| SOCIETE NATIONALE D'ETUDE ET DE CONSTRUCTION DE MOTEURS D'AVIATION "S.N.E.C.M.A." | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 259 | 25 | 35 | 34 | 50 | 40 | 39 | 31 | 33 | 34 | 36 | 27 | 11 | 3 | 0 | 657 |
| Patents By Year of Application: | 312 | 26 | 39 | 52 | 41 | 39 | 28 | 42 | 29 | 32 | 15 | 2 | 0 | 0 | 0 | 657 |
| FUJINON CORPORATION (FORMERLY FUJI PHOTO OPTICAL CO. LTD.) | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 69 | 4 | 5 | 9 | 24 | 12 | 17 | 40 | 50 | 58 | 69 | 64 | 72 | 86 | 72 | 651 |
| Patents By Year of Application: | 72 | 16 | 8 | 25 | 13 | 34 | 47 | 43 | 67 | 76 | 71 | 75 | 65 | 39 | 0 | 651 |
| EMERSON ELECTRIC CO. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 284 | 25 | 23 | 28 | 25 | 13 | 24 | 16 | 20 | 26 | 31 | 37 | 34 | 31 | 33 | 650 |
| Patents By Year of Application: | 311 | 30 | 26 | 22 | 32 | 16 | 26 | 19 | 36 | 40 | 32 | 30 | 24 | 6 | 0 | 650 |
| ATLANTIC RICHFIELD COMPANY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 366 | 41 | 28 | 37 | 37 | 41 | 23 | 10 | 13 | 17 | 19 | 12 | 1 | 0 | 0 | 645 |
| Patents By Year of Application: | 420 | 38 | 36 | 34 | 33 | 23 | 8 | 17 | 24 | 9 | 3 | 0 | 0 | 0 | 0 | 645 |
| MEAD CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 419 | 26 | 16 | 19 | 20 | 14 | 14 | 23 | 28 | 18 | 9 | 14 | 14 | 8 | 0 | 642 |
| Patents By Year of Application: | 449 | 12 | 24 | 25 | 13 | 22 | 20 | 26 | 15 | 9 | 19 | 6 | 2 | 0 | 0 | 642 |
| CORNING INCORPORATED | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 184 | 6 | 13 | 19 | 14 | 13 | 22 | 15 | 20 | 34 | 25 | 49 | 73 | 74 | 80 | 641 |
| Patents By Year of Application: | 196 | 20 | 17 | 20 | 20 | 23 | 13 | 28 | 32 | 65 | 66 | 72 | 56 | 12 | 1 | 641 |
| SALOMON S.A. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 179 | 51 | 34 | 30 | 37 | 31 | 23 | 21 | 25 | 51 | 36 | 41 | 33 | 21 | 18 | 631 |
| Patents By Year of Application: | 265 | 31 | 26 | 34 | 33 | 25 | 30 | 50 | 32 | 40 | 24 | 27 | 12 | 1 | 1 | 631 |
| INGERSOLL-RAND COMPANY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 240 | 31 | 34 | 39 | 43 | 25 | 44 | 27 | 31 | 19 | 27 | 18 | 21 | 16 | 9 | 624 |
| Patents By Year of Application: | 283 | 30 | 41 | 41 | 35 | 41 | 35 | 26 | 24 | 20 | 19 | 22 | 4 | 3 | 0 | 624 |
| SOUTHPAC TRUST INTERNATIONAL, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 90 | 80 | 52 | 69 | 72 | 101 | 87 | 43 | 623 |
| Patents By Year of Application: | 0 | 0 | 2 | 1 | 17 | 119 | 34 | 61 | 71 | 65 | 70 | 82 | 72 | 29 | 0 | 623 |

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

| | Pre | | | | | | | | | | | | | | | |
|-----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL |
| CORDIS CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 238 | 24 | 30 | 18 | 28 | 34 | 31 | 33 | 54 | 23 | 21 | 23 | 18 | 27 | 19 | 621 |
| Patents By Year of Application: | 283 | 20 | 21 | 26 | 53 | 37 | 51 | 26 | 20 | 25 | 30 | 24 | 3 | 2 | 0 | 621 |
| SULZER BROTHERS LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 488 | 36 | 44 | 40 | 5 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 619 |
| Patents By Year of Application: | 548 | 36 | 29 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 619 |
| TOYODA GOSEI KABUSHIKI KAISHA | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 152 | 23 | 33 | 21 | 22 | 25 | 25 | 31 | 47 | 37 | 32 | 30 | 48 | 44 | 40 | 610 |
| Patents By Year of Application: | 179 | 37 | 22 | 32 | 24 | 35 | 50 | 31 | 40 | 28 | 38 | 55 | 33 | 6 | 0 | 610 |
| BABCOCK & WILCOX COMPANY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 326 | 24 | 22 | 39 | 30 | 24 | 38 | 29 | 27 | 8 | 10 | 10 | 9 | 4 | 5 | 605 |
| Patents By Year of Application: | 356 | 35 | 28 | 31 | 42 | 37 | 24 | 17 | 9 | 8 | 6 | 5 | 7 | 0 | 0 | 605 |
| INSTITUT FRANCAIS DU PETROLE | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 219 | 26 | 21 | 27 | 37 | 26 | 15 | 28 | 44 | 21 | 33 | 37 | 25 | 23 | 15 | 597 |
| Patents By Year of Application: | 268 | 21 | 31 | 34 | 19 | 26 | 44 | 26 | 32 | 37 | 19 | 22 | 13 | 5 | 0 | 597 |
| KAWASAKI JUKOGYO KABUSHIKI KAISHA | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 325 | 18 | 15 | 9 | 15 | 14 | 9 | 6 | 9 | 13 | 13 | 28 | 34 | 40 | 43 | 591 |
| Patents By Year of Application: | 349 | 15 | 12 | 15 | 10 | 9 | 11 | 15 | 11 | 22 | 32 | 33 | 44 | 13 | 0 | 591 |
| VALEO S.A. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 293 | 19 | 39 | 10 | 17 | 12 | 9 | 23 | 50 | 16 | 21 | 34 | 21 | 10 | 14 | 588 |
| Patents By Year of Application: | 327 | 28 | 15 | 21 | 14 | 26 | 52 | 10 | 18 | 20 | 30 | 14 | 13 | 0 | 0 | 588 |
| NIPPON SOKEN, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 479 | 1 | 7 | 6 | 9 | 4 | 5 | 16 | 11 | 9 | 9 | 3 | 1 | 4 | 22 | 586 |
| Patents By Year of Application: | 483 | 6 | 9 | 7 | 6 | 13 | 12 | 13 | 9 | 2 | 0 | 5 | 14 | 7 | 0 | 586 |
| KOBE STEEL LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 260 | 39 | 41 | 22 | 21 | 17 | 17 | 20 | 35 | 22 | 20 | 17 | 20 | 15 | 17 | 583 |
| Patents By Year of Application: | 320 | 28 | 32 | 13 | 26 | 23 | 26 | 33 | 13 | 20 | 16 | 18 | 13 | 2 | 0 | 583 |
| AIR PRODUCTS AND CHEMICALS, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 247 | 23 | 23 | 24 | 24 | 13 | 20 | 27 | 18 | 26 | 23 | 28 | 25 | 31 | 21 | 573 |
| Patents By Year of Application: | 274 | 30 | 26 | 18 | 22 | 19 | 22 | 20 | 31 | 29 | 21 | 28 | 24 | 9 | 0 | 573 |
| ALPS ELECTRIC CO., LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 186 | 18 | 22 | 12 | 9 | 10 | 13 | 26 | 25 | 25 | 47 | 55 | 42 | 47 | 34 | 571 |
| Patents By Year of Application: | 214 | 14 | 14 | 12 | 14 | 19 | 29 | 28 | 40 | 58 | 40 | 45 | 29 | 13 | 2 | 571 |

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

| | Pre | | | | | | | | | | | | | | | |
|-----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL |
| W. SCHLAFHORST AG & CO. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 252 | 18 | 27 | 13 | 32 | 20 | 23 | 27 | 31 | 35 | 22 | 28 | 15 | 14 | 13 | 570 |
| Patents By Year of Application: | 287 | 24 | 28 | 22 | 25 | 26 | 23 | 29 | 28 | 28 | 20 | 20 | 9 | 1 | 0 | 570 |
| VISTEON GLOBAL TECHNOLOGIES, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 108 | 112 | 165 | 167 | 567 |
| Patents By Year of Application: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 13 | 104 | 112 | 177 | 138 | 18 | 1 | 567 |
| LG ELECTRONICS INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 40 | 54 | 53 | 33 | 43 | 82 | 101 | 153 | 564 |
| Patents By Year of Application: | 0 | 0 | 0 | 0 | 1 | 42 | 63 | 48 | 29 | 46 | 63 | 112 | 107 | 52 | 1 | 564 |
| SMITH INTERNATIONAL INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 274 | 16 | 11 | 3 | 17 | 14 | 11 | 13 | 16 | 16 | 17 | 38 | 32 | 50 | 36 | 564 |
| Patents By Year of Application: | 294 | 8 | 10 | 13 | 20 | 12 | 17 | 31 | 22 | 28 | 45 | 39 | 22 | 3 | 0 | 564 |
| ABBOTT LABORATORIES | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 170 | 20 | 34 | 34 | 39 | 29 | 48 | 25 | 39 | 24 | 21 | 17 | 17 | 29 | 15 | 561 |
| Patents By Year of Application: | 213 | 38 | 31 | 33 | 39 | 46 | 41 | 35 | 25 | 13 | 18 | 18 | 7 | 4 | 0 | 561 |
| CARDIAC PACEMAKERS, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 36 | 15 | 14 | 10 | 18 | 12 | 9 | 11 | 18 | 25 | 62 | 63 | 87 | 99 | 82 | 561 |
| Patents By Year of Application: | 61 | 14 | 17 | 9 | 10 | 16 | 9 | 30 | 63 | 95 | 112 | 100 | 21 | 3 | 1 | 561 |
| MCDONNELL DOUGLAS CORP. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 214 | 22 | 23 | 18 | 8 | 22 | 20 | 25 | 56 | 86 | 41 | 17 | 5 | 0 | 4 | 561 |
| Patents By Year of Application: | 255 | 26 | 9 | 13 | 25 | 23 | 61 | 95 | 39 | 7 | 3 | 2 | 3 | 0 | 0 | 561 |
| MATTEL INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 236 | 8 | 14 | 17 | 25 | 7 | 14 | 11 | 11 | 21 | 41 | 28 | 36 | 45 | 42 | 556 |
| Patents By Year of Application: | 246 | 10 | 32 | 14 | 7 | 21 | 10 | 19 | 30 | 39 | 41 | 42 | 31 | 14 | 0 | 556 |
| TRW VEHICLE SAFETY SYSTEMS, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 26 | 15 | 16 | 31 | 35 | 37 | 83 | 73 | 36 | 32 | 44 | 50 | 39 | 18 | 21 | 556 |
| Patents By Year of Application: | 52 | 27 | 30 | 43 | 57 | 93 | 49 | 40 | 46 | 38 | 40 | 27 | 13 | 1 | 0 | 556 |
| RCA CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 553 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 553 |
| Patents By Year of Application: | 553 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 553 |
| DOW CHEMICAL COMPANY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 400 | 30 | 21 | 22 | 16 | 14 | 12 | 8 | 7 | 6 | 5 | 7 | 2 | 0 | 2 | 552 |
| Patents By Year of Application: | 450 | 23 | 13 | 18 | 14 | 6 | 10 | 7 | 2 | 3 | 3 | 1 | 2 | 0 | 0 | 552 |

----- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ----- Ranked List of Organizations with 200 or More Patents -----

| | Pre 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| EBARA CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 47 | 15 | 16 | 19 | 20 | 21 | 18 | 38 | 45 | 46 | 40 | 56 | 76 | 52 | 41 | 550 |
| Patents By Year of Application: | 73 | 18 | 14 | 28 | 23 | 36 | 45 | 62 | 44 | 47 | 79 | 51 | 27 | 3 | 0 | 550 |
| MITSUBISHI HEAVY INDUSTRIES, LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 8 | 51 | 116 | 110 | 92 | 91 | 80 | 550 |
| Patents By Year of Application: | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 51 | 116 | 121 | 78 | 90 | 79 | 13 | 0 | 550 |
| AMERICAN STANDARD, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 292 | 41 | 19 | 25 | 23 | 16 | 23 | 14 | 29 | 16 | 29 | 13 | 2 | 3 | 2 | 547 |
| Patents By Year of Application: | 342 | 23 | 20 | 21 | 20 | 23 | 27 | 23 | 21 | 18 | 4 | 2 | 3 | 0 | 0 | 547 |
| CUMMINS ENGINE CO., INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 188 | 30 | 14 | 6 | 22 | 33 | 21 | 31 | 34 | 52 | 50 | 40 | 13 | 12 | 1 | 547 |
| Patents By Year of Application: | 226 | 8 | 14 | 20 | 39 | 33 | 35 | 50 | 60 | 26 | 24 | 9 | 3 | 0 | 0 | 547 |
| RAYTHEON COMPANY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 165 | 18 | 15 | 12 | 6 | 9 | 0 | 4 | 34 | 51 | 54 | 36 | 52 | 54 | 33 | 543 |
| Patents By Year of Application: | 213 | 15 | 11 | 5 | 6 | 8 | 30 | 59 | 39 | 36 | 38 | 41 | 35 | 7 | 0 | 543 |
| SOCIETE NATIONALE INDUSTRIELLE AEROSPATIALE | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 219 | 38 | 47 | 39 | 41 | 24 | 20 | 16 | 36 | 20 | 17 | 20 | 4 | 1 | 0 | 542 |
| Patents By Year of Application: | 282 | 45 | 49 | 24 | 22 | 28 | 27 | 21 | 20 | 23 | 0 | 0 | 1 | 0 | 0 | 542 |
| TOKAI RIKI DENKI SEISAKUSHO K.K. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 190 | 26 | 23 | 16 | 28 | 15 | 15 | 23 | 28 | 19 | 21 | 22 | 36 | 43 | 35 | 540 |
| Patents By Year of Application: | 226 | 27 | 21 | 21 | 16 | 24 | 30 | 22 | 15 | 20 | 37 | 47 | 31 | 3 | 0 | 540 |
| NAVISTAR INTERNATIONAL TRANSPORTATION CORP. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 384 | 15 | 13 | 15 | 11 | 10 | 7 | 9 | 8 | 13 | 33 | 16 | 4 | 0 | 0 | 538 |
| Patents By Year of Application: | 405 | 10 | 15 | 11 | 10 | 11 | 12 | 10 | 27 | 20 | 7 | 0 | 0 | 0 | 0 | 538 |
| DAIMLERCHRYSLER CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 126 | 161 | 110 | 50 | 69 | 537 |
| Patents By Year of Application: | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 12 | 41 | 229 | 126 | 44 | 52 | 24 | 1 | 537 |
| G.D. SOCIETA PER AZIONI | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 159 | 16 | 22 | 24 | 41 | 33 | 24 | 22 | 43 | 23 | 35 | 31 | 15 | 20 | 28 | 536 |
| Patents By Year of Application: | 189 | 20 | 40 | 34 | 32 | 27 | 29 | 34 | 30 | 39 | 20 | 16 | 25 | 1 | 0 | 536 |
| COMBUSTION ENGINEERING INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 421 | 6 | 5 | 5 | 19 | 11 | 12 | 5 | 24 | 13 | 11 | 1 | 0 | 0 | 0 | 533 |
| Patents By Year of Application: | 429 | 3 | 15 | 20 | 13 | 10 | 15 | 15 | 10 | 3 | 0 | 0 | 0 | 0 | 0 | 533 |

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

| | Pre 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| FICHTEL + SACHS AG | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 191 | 10 | 13 | 15 | 23 | 40 | 52 | 66 | 72 | 40 | 7 | 0 | 0 | 0 | 0 | 529 |
| Patents By Year of Application: | 205 | 17 | 25 | 34 | 59 | 80 | 61 | 47 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 529 |
| NCR CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 276 | 30 | 19 | 20 | 11 | 8 | 6 | 14 | 29 | 24 | 25 | 15 | 21 | 23 | 7 | 528 |
| Patents By Year of Application: | 318 | 19 | 15 | 13 | 9 | 11 | 25 | 35 | 26 | 19 | 14 | 18 | 5 | 1 | 0 | 528 |
| KONICA CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 182 | 20 | 27 | 28 | 23 | 22 | 12 | 13 | 20 | 18 | 19 | 28 | 26 | 34 | 55 | 527 |
| Patents By Year of Application: | 219 | 34 | 23 | 20 | 21 | 14 | 19 | 21 | 26 | 19 | 34 | 23 | 38 | 16 | 0 | 527 |
| L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 111 | 11 | 19 | 19 | 26 | 34 | 31 | 20 | 20 | 30 | 38 | 68 | 41 | 38 | 21 | 527 |
| Patents By Year of Application: | 131 | 15 | 30 | 24 | 40 | 27 | 20 | 32 | 34 | 62 | 50 | 40 | 19 | 3 | 0 | 527 |
| NGK INSULATORS LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 144 | 26 | 25 | 22 | 16 | 16 | 9 | 19 | 25 | 40 | 31 | 44 | 34 | 32 | 43 | 526 |
| Patents By Year of Application: | 185 | 23 | 19 | 21 | 13 | 18 | 24 | 43 | 42 | 39 | 38 | 28 | 28 | 5 | 0 | 526 |
| TEXTRON INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 338 | 12 | 15 | 15 | 18 | 10 | 12 | 10 | 15 | 11 | 18 | 12 | 8 | 16 | 14 | 524 |
| Patents By Year of Application: | 357 | 19 | 13 | 19 | 6 | 15 | 12 | 17 | 14 | 8 | 17 | 12 | 13 | 2 | 0 | 524 |
| FUJI XEROX CO., LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 149 | 6 | 6 | 10 | 14 | 24 | 18 | 31 | 41 | 49 | 39 | 26 | 36 | 33 | 39 | 521 |
| Patents By Year of Application: | 158 | 10 | 16 | 33 | 26 | 27 | 54 | 47 | 27 | 23 | 36 | 34 | 22 | 8 | 0 | 521 |
| NORDSON CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 186 | 21 | 14 | 16 | 28 | 25 | 19 | 27 | 24 | 29 | 25 | 26 | 31 | 18 | 31 | 520 |
| Patents By Year of Application: | 220 | 10 | 27 | 23 | 31 | 36 | 17 | 26 | 28 | 26 | 33 | 24 | 15 | 4 | 0 | 520 |
| INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE, TAIWAN | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 29 | 10 | 17 | 25 | 19 | 25 | 21 | 35 | 37 | 35 | 38 | 62 | 62 | 61 | 42 | 518 |
| Patents By Year of Application: | 50 | 17 | 22 | 27 | 22 | 35 | 38 | 38 | 37 | 65 | 64 | 50 | 39 | 14 | 0 | 518 |
| LITTON SYSTEMS INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 179 | 28 | 17 | 22 | 28 | 24 | 18 | 10 | 34 | 42 | 36 | 34 | 16 | 17 | 12 | 517 |
| Patents By Year of Application: | 238 | 18 | 25 | 16 | 22 | 10 | 24 | 45 | 37 | 34 | 24 | 14 | 6 | 4 | 0 | 517 |
| KONINKLIJKE PHILIPS ELECTRONICS N.V. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 133 | 229 | 150 | 513 |
| Patents By Year of Application: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 31 | 148 | 213 | 110 | 6 | 0 | 513 |

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

| | Pre | | | | | | | | | | | | | | | |
|---------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL |
| PACESETTER, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 0 | 0 | 34 | 35 | 43 | 75 | 37 | 30 | 42 | 73 | 70 | 74 | 513 |
| Patents By Year of Application: | 1 | 0 | 2 | 26 | 28 | 55 | 59 | 53 | 34 | 59 | 65 | 115 | 16 | 0 | 0 | 513 |
| MURATA MANUFACTURING CO., LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 50 | 16 | 15 | 15 | 23 | 19 | 38 | 31 | 29 | 25 | 45 | 40 | 34 | 66 | 64 | 510 |
| Patents By Year of Application: | 72 | 21 | 21 | 21 | 37 | 36 | 33 | 34 | 42 | 53 | 51 | 48 | 30 | 9 | 2 | 510 |
| ALCOA INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 238 | 17 | 13 | 19 | 27 | 23 | 22 | 10 | 27 | 21 | 16 | 20 | 11 | 18 | 21 | 503 |
| Patents By Year of Application: | 261 | 22 | 16 | 33 | 25 | 15 | 26 | 22 | 19 | 10 | 18 | 17 | 16 | 3 | 0 | 503 |
| MURATA KIKAI KABUSHIKI KAISHA | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 233 | 30 | 29 | 32 | 29 | 21 | 19 | 12 | 10 | 16 | 20 | 15 | 15 | 16 | 6 | 503 |
| Patents By Year of Application: | 281 | 24 | 39 | 25 | 21 | 16 | 6 | 19 | 22 | 10 | 17 | 13 | 9 | 1 | 0 | 503 |
| KIMBERLY-CLARK CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 285 | 20 | 23 | 15 | 27 | 38 | 51 | 32 | 7 | 3 | 0 | 0 | 0 | 1 | 0 | 502 |
| Patents By Year of Application: | 327 | 13 | 23 | 40 | 49 | 37 | 11 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 502 |
| MESSERSCHMITT-BOLKOW-BLOHM GMBH | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 443 | 36 | 15 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 500 |
| Patents By Year of Application: | 491 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 500 |
| MASSACHUSETTS INSTITUTE OF TECHNOLOGY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 146 | 17 | 24 | 17 | 22 | 29 | 18 | 19 | 36 | 33 | 25 | 19 | 32 | 26 | 29 | 492 |
| Patents By Year of Application: | 189 | 22 | 19 | 22 | 29 | 31 | 36 | 23 | 27 | 29 | 30 | 18 | 15 | 2 | 0 | 492 |
| CARL ZEISS STIFTUNG | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 216 | 28 | 23 | 13 | 15 | 8 | 12 | 17 | 24 | 25 | 18 | 19 | 27 | 26 | 11 | 482 |
| Patents By Year of Application: | 252 | 22 | 19 | 15 | 12 | 23 | 18 | 20 | 22 | 19 | 26 | 29 | 4 | 1 | 0 | 482 |
| LOCKHEED MARTIN CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 15 | 45 | 34 | 65 | 58 | 85 | 103 | 70 | 482 |
| Patents By Year of Application: | 4 | 0 | 0 | 2 | 10 | 19 | 40 | 33 | 61 | 61 | 93 | 88 | 61 | 10 | 0 | 482 |
| GTE PRODUCTS CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 404 | 32 | 18 | 19 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 479 |
| Patents By Year of Application: | 443 | 22 | 11 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 479 |
| UNISIA JECS CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 1 | 16 | 39 | 49 | 62 | 44 | 46 | 52 | 51 | 50 | 46 | 23 | 479 |
| Patents By Year of Application: | 0 | 0 | 0 | 35 | 49 | 55 | 55 | 52 | 61 | 42 | 47 | 53 | 30 | 0 | 0 | 479 |

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

| | Pre | | | | | | | | | | | | | | | |
|-----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL |
| PHILIP MORRIS INCORPORATED | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 204 | 31 | 35 | 50 | 19 | 14 | 18 | 15 | 8 | 16 | 15 | 16 | 9 | 10 | 16 | 476 |
| Patents By Year of Application: | 255 | 43 | 35 | 22 | 17 | 20 | 7 | 19 | 12 | 11 | 12 | 12 | 11 | 0 | 0 | 476 |
| SANDVIK AKTIEBOLAG | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 95 | 19 | 9 | 17 | 21 | 23 | 20 | 19 | 28 | 46 | 48 | 35 | 28 | 37 | 31 | 476 |
| Patents By Year of Application: | 123 | 14 | 13 | 25 | 27 | 16 | 34 | 42 | 40 | 42 | 34 | 39 | 23 | 4 | 0 | 476 |
| BORG-WARNER CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 470 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 475 |
| Patents By Year of Application: | 474 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 475 |
| SMS SCHLOEMANN-SIEMAG AG | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 156 | 19 | 18 | 11 | 17 | 12 | 11 | 17 | 25 | 44 | 61 | 47 | 20 | 13 | 4 | 475 |
| Patents By Year of Application: | 185 | 19 | 10 | 21 | 14 | 15 | 23 | 33 | 58 | 56 | 25 | 13 | 3 | 0 | 0 | 475 |
| COMMISSARIAT A L'ENERGIE ATOMIQUE | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 287 | 7 | 14 | 11 | 15 | 7 | 18 | 18 | 17 | 15 | 15 | 10 | 11 | 14 | 8 | 467 |
| Patents By Year of Application: | 305 | 12 | 9 | 18 | 16 | 19 | 13 | 22 | 11 | 11 | 12 | 9 | 9 | 1 | 0 | 467 |
| ALFRED TEVES G.M.B.H. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 239 | 46 | 52 | 41 | 53 | 27 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 462 |
| Patents By Year of Application: | 325 | 38 | 60 | 29 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 462 |
| BAYERISCHE MOTOREN WERKE AG | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 169 | 9 | 6 | 4 | 5 | 6 | 14 | 15 | 22 | 27 | 29 | 47 | 45 | 34 | 28 | 460 |
| Patents By Year of Application: | 181 | 6 | 3 | 7 | 14 | 11 | 29 | 31 | 33 | 38 | 47 | 39 | 18 | 3 | 0 | 460 |
| TOKICO LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 266 | 16 | 21 | 9 | 16 | 11 | 17 | 6 | 10 | 24 | 10 | 27 | 12 | 7 | 7 | 459 |
| Patents By Year of Application: | 294 | 16 | 12 | 14 | 15 | 10 | 12 | 22 | 12 | 24 | 10 | 9 | 7 | 2 | 0 | 459 |
| KOYO SEIKO COMPANY, LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 91 | 23 | 20 | 25 | 12 | 14 | 14 | 12 | 23 | 27 | 32 | 36 | 35 | 44 | 44 | 452 |
| Patents By Year of Application: | 120 | 21 | 25 | 14 | 17 | 12 | 17 | 31 | 38 | 33 | 41 | 43 | 26 | 14 | 0 | 452 |
| TAKATA CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 7 | 8 | 33 | 33 | 66 | 39 | 23 | 5 | 8 | 11 | 25 | 42 | 49 | 46 | 55 | 450 |
| Patents By Year of Application: | 30 | 37 | 54 | 53 | 25 | 17 | 5 | 7 | 26 | 44 | 57 | 53 | 36 | 5 | 1 | 450 |
| HONEYWELL INTERNATIONAL INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 52 | 102 | 131 | 149 | 447 |
| Patents By Year of Application: | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 9 | 21 | 38 | 118 | 125 | 102 | 30 | 0 | 447 |

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

| | Pre 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL |
|------------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| INTEL CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 20 | 4 | 6 | 7 | 6 | 6 | 15 | 15 | 19 | 22 | 43 | 37 | 56 | 99 | 92 | 447 |
| Patents By Year of Application: | 27 | 5 | 6 | 10 | 19 | 12 | 26 | 22 | 45 | 55 | 63 | 88 | 51 | 18 | 0 | 447 |
| DIESEL KIKI CO., LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 402 | 31 | 10 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 445 |
| Patents By Year of Application: | 439 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 445 |
| NORTHERN TELECOM LIMITED | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 295 | 19 | 16 | 18 | 15 | 15 | 14 | 7 | 15 | 25 | 4 | 0 | 0 | 0 | 0 | 443 |
| Patents By Year of Application: | 320 | 17 | 16 | 20 | 12 | 10 | 19 | 23 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 443 |
| LEXMARK INTERNATIONAL, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 3 | 3 | 2 | 6 | 3 | 11 | 10 | 20 | 48 | 67 | 73 | 66 | 72 | 58 | 442 |
| Patents By Year of Application: | 5 | 1 | 8 | 9 | 8 | 17 | 25 | 59 | 45 | 61 | 74 | 59 | 52 | 18 | 1 | 442 |
| CONOCO, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 343 | 22 | 20 | 23 | 8 | 8 | 3 | 3 | 1 | 3 | 1 | 1 | 3 | 0 | 0 | 439 |
| Patents By Year of Application: | 375 | 22 | 15 | 9 | 5 | 3 | 3 | 2 | 1 | 0 | 3 | 1 | 0 | 0 | 0 | 439 |
| OLIN CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 299 | 24 | 28 | 11 | 13 | 15 | 16 | 5 | 8 | 3 | 10 | 0 | 1 | 2 | 2 | 437 |
| Patents By Year of Application: | 340 | 19 | 11 | 19 | 10 | 13 | 3 | 9 | 6 | 3 | 2 | 0 | 1 | 1 | 0 | 437 |
| OTIS ENGINEERING CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 352 | 26 | 32 | 24 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 437 |
| Patents By Year of Application: | 391 | 35 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 437 |
| CHAMPION INTERNATIONAL CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 408 | 5 | 6 | 0 | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 431 |
| Patents By Year of Application: | 415 | 5 | 0 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 431 |
| WESTINGHOUSE AIR BRAKE COMPANY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 83 | 9 | 31 | 16 | 15 | 23 | 40 | 23 | 44 | 50 | 50 | 36 | 7 | 2 | 2 | 431 |
| Patents By Year of Application: | 106 | 25 | 16 | 16 | 27 | 37 | 51 | 56 | 57 | 30 | 10 | 0 | 0 | 0 | 0 | 431 |
| ROBERTSHAW CONTROLS COMPANY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 295 | 21 | 24 | 11 | 23 | 14 | 9 | 6 | 3 | 6 | 2 | 5 | 4 | 1 | 6 | 430 |
| Patents By Year of Application: | 323 | 19 | 13 | 19 | 23 | 7 | 2 | 4 | 4 | 2 | 7 | 3 | 4 | 0 | 0 | 430 |
| COOPER INDUSTRIES INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 203 | 50 | 35 | 27 | 26 | 25 | 17 | 22 | 8 | 7 | 5 | 2 | 1 | 0 | 1 | 429 |
| Patents By Year of Application: | 265 | 34 | 36 | 25 | 18 | 20 | 14 | 7 | 7 | 1 | 1 | 1 | 0 | 0 | 0 | 429 |

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

| | Pre 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL |
|-------------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| DAEWOO ELECTRONICS COMPANY, LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 2 | 0 | 1 | 1 | 7 | 6 | 37 | 79 | 135 | 103 | 40 | 5 | 4 | 3 | 3 | 426 |
| Patents By Year of Application: | 2 | 2 | 1 | 8 | 40 | 61 | 124 | 113 | 61 | 4 | 3 | 5 | 2 | 0 | 0 | 426 |
| FOCKE & CO. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 148 | 22 | 23 | 16 | 23 | 22 | 27 | 14 | 14 | 21 | 24 | 19 | 20 | 22 | 10 | 425 |
| Patents By Year of Application: | 185 | 23 | 19 | 18 | 26 | 22 | 17 | 21 | 26 | 24 | 21 | 16 | 7 | 0 | 0 | 425 |
| C. R. BARD, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 127 | 15 | 31 | 17 | 28 | 21 | 15 | 16 | 29 | 29 | 15 | 23 | 20 | 15 | 23 | 424 |
| Patents By Year of Application: | 166 | 27 | 18 | 26 | 22 | 20 | 28 | 29 | 24 | 31 | 11 | 14 | 7 | 1 | 0 | 424 |
| B. F. GOODRICH CO. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 253 | 17 | 20 | 10 | 16 | 15 | 19 | 7 | 15 | 10 | 11 | 18 | 8 | 2 | 0 | 421 |
| Patents By Year of Application: | 285 | 7 | 21 | 17 | 17 | 14 | 10 | 16 | 10 | 12 | 11 | 1 | 0 | 0 | 0 | 421 |
| COCA-COLA COMPANY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 196 | 19 | 18 | 17 | 14 | 17 | 9 | 6 | 19 | 17 | 15 | 29 | 17 | 14 | 10 | 417 |
| Patents By Year of Application: | 229 | 20 | 9 | 14 | 20 | 9 | 18 | 18 | 16 | 19 | 12 | 20 | 11 | 2 | 0 | 417 |
| YAMAHA CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 50 | 10 | 9 | 21 | 18 | 18 | 29 | 24 | 29 | 49 | 46 | 29 | 34 | 30 | 20 | 416 |
| Patents By Year of Application: | 70 | 18 | 15 | 20 | 28 | 31 | 44 | 43 | 35 | 26 | 31 | 31 | 17 | 7 | 0 | 416 |
| CARL FREUDENBERG | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 125 | 17 | 24 | 31 | 35 | 32 | 29 | 17 | 6 | 18 | 18 | 10 | 18 | 27 | 7 | 414 |
| Patents By Year of Application: | 156 | 23 | 35 | 38 | 37 | 20 | 13 | 20 | 12 | 18 | 20 | 21 | 1 | 0 | 0 | 414 |
| PARKER-HANNIFIN CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 200 | 15 | 12 | 5 | 5 | 12 | 9 | 8 | 8 | 13 | 20 | 17 | 31 | 24 | 33 | 412 |
| Patents By Year of Application: | 222 | 7 | 8 | 8 | 10 | 10 | 9 | 12 | 17 | 19 | 32 | 21 | 27 | 10 | 0 | 412 |
| OWENS-CORNING FIBERGLAS CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 247 | 3 | 2 | 6 | 1 | 1 | 7 | 13 | 19 | 22 | 21 | 13 | 24 | 19 | 12 | 410 |
| Patents By Year of Application: | 251 | 4 | 4 | 2 | 5 | 19 | 19 | 17 | 25 | 20 | 21 | 13 | 8 | 2 | 0 | 410 |
| TECUMSEH PRODUCTS COMPANY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 163 | 19 | 22 | 33 | 18 | 11 | 11 | 3 | 8 | 13 | 15 | 23 | 22 | 19 | 26 | 406 |
| Patents By Year of Application: | 187 | 30 | 30 | 13 | 10 | 7 | 12 | 12 | 11 | 19 | 25 | 20 | 21 | 9 | 0 | 406 |
| ISUZU MOTORS LIMITED | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 128 | 39 | 24 | 3 | 8 | 6 | 8 | 12 | 19 | 16 | 30 | 36 | 24 | 27 | 25 | 405 |
| Patents By Year of Application: | 180 | 12 | 6 | 7 | 4 | 12 | 21 | 22 | 21 | 32 | 29 | 31 | 24 | 3 | 1 | 405 |

(Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

[illegible]

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

| | Pre | | | | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL |
| RHEINMETALL G.M.B.H. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 262 | 33 | 35 | 22 | 20 | 11 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 387 |
| Patents By Year of Application: | 322 | 17 | 29 | 8 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 387 |
| HOECHST AKTIENGESELLSCHAFT | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 269 | 12 | 9 | 16 | 21 | 16 | 20 | 12 | 8 | 3 | 0 | 0 | 0 | 0 | 0 | 386 |
| Patents By Year of Application: | 285 | 18 | 19 | 17 | 19 | 16 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 386 |
| LINDE AKTIENGESELLSCHAFT | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 199 | 9 | 13 | 7 | 11 | 9 | 13 | 13 | 11 | 12 | 15 | 21 | 19 | 23 | 9 | 384 |
| Patents By Year of Application: | 216 | 9 | 7 | 18 | 8 | 15 | 11 | 13 | 13 | 22 | 18 | 16 | 16 | 2 | 0 | 384 |
| INTERNATIONAL PAPER CO. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 195 | 22 | 10 | 13 | 13 | 17 | 15 | 12 | 17 | 11 | 8 | 15 | 14 | 12 | 9 | 383 |
| Patents By Year of Application: | 222 | 11 | 10 | 18 | 18 | 17 | 11 | 17 | 7 | 12 | 14 | 19 | 4 | 3 | 0 | 383 |
| KOMATSU LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 2 | 0 | 0 | 2 | 3 | 2 | 1 | 20 | 56 | 52 | 37 | 57 | 50 | 59 | 42 | 383 |
| Patents By Year of Application: | 2 | 0 | 3 | 4 | 1 | 7 | 54 | 50 | 55 | 56 | 56 | 56 | 31 | 8 | 0 | 383 |
| NIFCO INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 208 | 9 | 8 | 11 | 12 | 5 | 13 | 22 | 15 | 12 | 5 | 12 | 17 | 16 | 18 | 383 |
| Patents By Year of Application: | 220 | 7 | 13 | 15 | 5 | 21 | 17 | 14 | 6 | 7 | 9 | 23 | 17 | 9 | 0 | 383 |
| NTN CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 1 | 10 | 7 | 13 | 14 | 10 | 13 | 35 | 37 | 31 | 40 | 35 | 41 | 49 | 47 | 383 |
| Patents By Year of Application: | 13 | 8 | 18 | 13 | 15 | 29 | 42 | 35 | 37 | 33 | 52 | 47 | 35 | 6 | 0 | 383 |
| AB VOLVO | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 167 | 19 | 16 | 12 | 11 | 15 | 12 | 18 | 22 | 22 | 29 | 18 | 13 | 4 | 3 | 381 |
| Patents By Year of Application: | 194 | 12 | 14 | 16 | 18 | 15 | 22 | 23 | 35 | 15 | 10 | 5 | 2 | 0 | 0 | 381 |
| DANFOSS A/S | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 214 | 16 | 14 | 8 | 7 | 5 | 8 | 16 | 26 | 17 | 13 | 10 | 12 | 9 | 6 | 381 |
| Patents By Year of Application: | 234 | 16 | 4 | 8 | 5 | 20 | 30 | 12 | 15 | 8 | 13 | 10 | 5 | 1 | 0 | 381 |
| TETRA LAVAL HOLDINGS & FINANCE S.A. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 0 | 11 | 18 | 34 | 16 | 70 | 52 | 54 | 38 | 38 | 24 | 26 | 381 |
| Patents By Year of Application: | 0 | 0 | 10 | 18 | 35 | 21 | 41 | 65 | 61 | 37 | 48 | 21 | 17 | 6 | 1 | 381 |
| ITT MANUFACTURING ENTERPRISES, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 63 | 103 | 62 | 43 | 43 | 50 | 379 |
| Patents By Year of Application: | 0 | 0 | 0 | 1 | 1 | 1 | 7 | 84 | 93 | 57 | 45 | 47 | 33 | 9 | 1 | 379 |

[illegible]

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

| | Pre | | | | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL |
| GENERAL SIGNAL CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 269 | 15 | 14 | 9 | 7 | 11 | 13 | 6 | 9 | 4 | 3 | 1 | 4 | 1 | 0 | 366 |
| Patents By Year of Application: | 293 | 8 | 9 | 10 | 11 | 10 | 9 | 6 | 6 | 0 | 3 | 1 | 0 | 0 | 0 | 366 |
| TERUMO KABUSHIKI KAISHA (TERUMO CORPORATION) | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 127 | 33 | 41 | 22 | 16 | 18 | 18 | 8 | 8 | 10 | 9 | 10 | 16 | 17 | 13 | 366 |
| Patents By Year of Application: | 200 | 18 | 19 | 19 | 21 | 9 | 7 | 13 | 10 | 13 | 19 | 10 | 6 | 2 | 0 | 366 |
| EXXON PRODUCTION RESEARCH COMPANY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 298 | 7 | 11 | 12 | 13 | 5 | 3 | 1 | 4 | 8 | 3 | 0 | 0 | 0 | 0 | 365 |
| Patents By Year of Application: | 312 | 11 | 12 | 8 | 6 | 2 | 2 | 4 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 365 |
| RISO KAGAKU CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 13 | 7 | 7 | 5 | 12 | 21 | 33 | 37 | 25 | 29 | 29 | 37 | 45 | 41 | 24 | 365 |
| Patents By Year of Application: | 21 | 6 | 9 | 18 | 34 | 42 | 29 | 21 | 35 | 30 | 53 | 47 | 12 | 8 | 0 | 365 |
| KOENIG + BAUER AKTIENGESELLSCHAFT | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 78 | 11 | 10 | 23 | 29 | 15 | 22 | 3 | 0 | 4 | 15 | 38 | 32 | 32 | 52 | 364 |
| Patents By Year of Application: | 93 | 7 | 33 | 24 | 17 | 17 | 1 | 1 | 7 | 45 | 33 | 34 | 34 | 18 | 0 | 364 |
| ALCATEL | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 57 | 79 | 71 | 69 | 61 | 360 |
| Patents By Year of Application: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37 | 81 | 83 | 79 | 46 | 31 | 3 | 0 | 360 |
| SILVERBROOK RESEARCH PTY. LTD | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 72 | 98 | 91 | 93 | 359 |
| Patents By Year of Application: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 71 | 22 | 86 | 57 | 79 | 39 | 5 | 359 |
| MAYTAG CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 61 | 8 | 10 | 15 | 14 | 8 | 10 | 13 | 21 | 39 | 25 | 29 | 24 | 35 | 46 | 358 |
| Patents By Year of Application: | 72 | 14 | 15 | 13 | 11 | 13 | 18 | 32 | 33 | 28 | 22 | 40 | 26 | 21 | 0 | 358 |
| TSUBAKIMOTO CHAIN CO. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 62 | 19 | 19 | 27 | 20 | 14 | 9 | 13 | 16 | 25 | 28 | 28 | 35 | 21 | 21 | 357 |
| Patents By Year of Application: | 88 | 19 | 25 | 14 | 18 | 16 | 18 | 28 | 22 | 24 | 38 | 25 | 17 | 5 | 0 | 357 |
| KENNAMETAL INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 117 | 16 | 20 | 15 | 21 | 17 | 7 | 18 | 26 | 19 | 19 | 8 | 11 | 23 | 19 | 356 |
| Patents By Year of Application: | 141 | 19 | 24 | 13 | 14 | 23 | 19 | 22 | 20 | 7 | 20 | 19 | 15 | 0 | 0 | 356 |
| UNI-CHARM CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 13 | 5 | 7 | 4 | 8 | 12 | 5 | 21 | 25 | 14 | 21 | 27 | 70 | 77 | 47 | 356 |
| Patents By Year of Application: | 21 | 9 | 4 | 12 | 10 | 15 | 31 | 23 | 24 | 47 | 64 | 81 | 14 | 1 | 0 | 356 |

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

| | Pre | | | | | | | | | | | | | | | |
|-------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL |
| WHITE CONSOLIDATED INDUSTRIES, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 135 | 16 | 11 | 19 | 23 | 17 | 23 | 17 | 37 | 19 | 14 | 11 | 7 | 5 | 2 | 356 |
| Patents By Year of Application: | 157 | 13 | 18 | 19 | 20 | 27 | 33 | 27 | 15 | 9 | 6 | 10 | 1 | 1 | 0 | 356 |
| FORD GLOBAL TECHNOLOGIES, L.L.C. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150 | 205 | 355 |
| Patents By Year of Application: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 33 | 91 | 174 | 50 | 2 | 355 |
| KIORITZ CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 143 | 10 | 14 | 13 | 9 | 10 | 8 | 11 | 14 | 34 | 29 | 14 | 12 | 19 | 15 | 355 |
| Patents By Year of Application: | 154 | 16 | 11 | 10 | 14 | 8 | 17 | 30 | 34 | 15 | 10 | 20 | 13 | 3 | 0 | 355 |
| R. J. REYNOLDS TOBACCO COMPANY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 153 | 47 | 43 | 20 | 19 | 19 | 12 | 13 | 12 | 1 | 6 | 2 | 4 | 2 | 1 | 354 |
| Patents By Year of Application: | 233 | 29 | 25 | 16 | 13 | 13 | 11 | 3 | 4 | 2 | 4 | 1 | 0 | 0 | 0 | 354 |
| KAWASAKI STEEL CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 159 | 9 | 7 | 16 | 18 | 5 | 14 | 22 | 13 | 16 | 10 | 26 | 26 | 10 | 0 | 351 |
| Patents By Year of Application: | 171 | 12 | 19 | 11 | 20 | 10 | 23 | 10 | 13 | 25 | 23 | 13 | 1 | 0 | 0 | 351 |
| BOSTON SCIENTIFIC CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 9 | 5 | 6 | 12 | 15 | 32 | 26 | 25 | 33 | 54 | 47 | 42 | 20 | 10 | 10 | 346 |
| Patents By Year of Application: | 21 | 9 | 15 | 26 | 36 | 33 | 36 | 67 | 38 | 28 | 25 | 6 | 5 | 1 | 0 | 346 |
| ADVANCED MICRO DEVICES, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 10 | 1 | 1 | 5 | 5 | 6 | 8 | 10 | 17 | 18 | 53 | 59 | 62 | 59 | 31 | 345 |
| Patents By Year of Application: | 12 | 2 | 7 | 4 | 11 | 14 | 8 | 35 | 52 | 43 | 84 | 52 | 19 | 2 | 0 | 345 |
| BREED AUTOMOTIVE TECHNOLOGY, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 3 | 3 | 1 | 3 | 2 | 2 | 9 | 5 | 16 | 52 | 57 | 68 | 57 | 46 | 21 | 345 |
| Patents By Year of Application: | 6 | 3 | 1 | 2 | 7 | 8 | 14 | 44 | 56 | 65 | 57 | 40 | 42 | 0 | 0 | 345 |
| DRAGERWERK AKTIENGESELLSCHAFT | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 204 | 20 | 16 | 10 | 22 | 8 | 12 | 12 | 22 | 12 | 2 | 1 | 2 | 2 | 0 | 345 |
| Patents By Year of Application: | 234 | 8 | 25 | 14 | 7 | 15 | 11 | 26 | 1 | 2 | 0 | 1 | 1 | 0 | 0 | 345 |
| WEATHERFORD/LAMB, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 16 | 0 | 3 | 3 | 1 | 5 | 3 | 5 | 22 | 11 | 29 | 27 | 57 | 68 | 95 | 345 |
| Patents By Year of Application: | 16 | 3 | 3 | 5 | 2 | 4 | 22 | 25 | 25 | 44 | 63 | 65 | 57 | 11 | 0 | 345 |
| J. M. VOITH GMBH | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 172 | 21 | 32 | 23 | 34 | 27 | 22 | 6 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 344 |
| Patents By Year of Application: | 212 | 24 | 29 | 34 | 33 | 5 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 344 |

[illegible]

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

Pre
1991 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 TOTAL

TDK CORPORATION

Patents By Year of Grant: 79 9 12 9 18 11 14 15 9 10 20 33 27 35 29 330
Patents By Year of Application: 97 8 18 15 11 20 8 8 27 29 49 29 9 2 0 330

KABUSHIKI KAISHA TOPCON

Patents By Year of Grant: 6 17 13 14 15 16 14 20 32 41 41 25 27 21 27 329
Patents By Year of Application: 32 15 14 19 18 25 20 40 38 33 29 28 17 1 0 329

MATSUSHITA ELECTRIC WORKS, LTD.

Patents By Year of Grant: 139 10 13 15 10 8 18 3 15 20 21 15 12 16 13 328
Patents By Year of Application: 154 14 15 13 12 9 18 20 19 13 14 15 9 3 0 328

TOKAI RUBBER INDUSTRIES, LTD.

Patents By Year of Grant: 51 21 17 19 19 6 4 13 10 17 22 37 32 35 25 328
Patents By Year of Application: 85 14 23 11 5 7 19 19 16 24 29 36 29 11 0 328

JANOME SEWING MACHINE CO. LTD.

Patents By Year of Grant: 268 19 2 1 1 0 1 0 3 3 9 3 6 5 6 327
Patents By Year of Application: 289 1 1 0 1 0 2 4 4 7 5 10 1 2 0 327

INVENTIO AG

Patents By Year of Grant: 65 11 11 12 14 13 10 16 13 24 22 23 35 33 24 326
Patents By Year of Application: 80 13 15 14 11 19 20 15 24 24 31 29 28 3 0 326

MORTON INTERNATIONAL, INC.

Patents By Year of Grant: 0 4 1 8 23 81 86 75 40 6 0 0 1 0 0 325
Patents By Year of Application: 4 5 16 38 76 97 72 16 0 1 0 0 0 0 0 325

NEW HOLLAND NORTH AMERICA, INC.

Patents By Year of Grant: 0 0 0 0 0 23 33 18 28 40 34 34 35 51 29 325
Patents By Year of Application: 0 0 0 8 38 23 27 28 38 39 28 43 39 14 0 325

VOLKSWAGEN AKTIENGESELLSCHAFT

Patents By Year of Grant: 46 8 18 18 19 12 17 7 13 31 29 32 22 33 20 325
Patents By Year of Application: 58 20 21 22 14 8 11 28 31 29 28 28 25 2 0 325

BAYER AKTIENGESELLSCHAFT

Patents By Year of Grant: 192 14 6 16 6 5 4 11 10 11 13 9 5 12 10 324
Patents By Year of Application: 208 11 13 6 4 11 12 11 12 9 5 13 8 1 0 324

MARVIN GLASS & ASSOCIATES

Patents By Year of Grant: 323 0 0 0 0 0 0 0 0 0 0 0 0 0 0 323
Patents By Year of Application: 323 0 0 0 0 0 0 0 0 0 0 0 0 0 0 323

---- Organizational Patenting

(Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

| | Pre 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| SUZUKI MOTOR CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 2 | 13 | 14 | 15 | 16 | 13 | 4 | 22 | 43 | 44 | 46 | 32 | 40 | 19 | 323 |
| Patents By Year of Application: | 4 | 17 | 12 | 20 | 14 | 10 | 16 | 34 | 54 | 45 | 31 | 42 | 20 | 2 | 2 | 323 |
| MANNESMANN SACHS AG | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 41 | 84 | 51 | 60 | 59 | 19 | 319 |
| Patents By Year of Application: | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 28 | 79 | 72 | 63 | 66 | 7 | 1 | 0 | 319 |
| MILLIKEN RESEARCH CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 208 | 15 | 16 | 11 | 14 | 16 | 11 | 9 | 15 | 4 | 0 | 0 | 0 | 0 | 0 | 319 |
| Patents By Year of Application: | 230 | 11 | 17 | 19 | 10 | 11 | 12 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 319 |
| POLAROID CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 239 | 6 | 6 | 2 | 5 | 7 | 8 | 13 | 9 | 6 | 5 | 0 | 2 | 6 | 5 | 319 |
| Patents By Year of Application: | 247 | 3 | 8 | 5 | 11 | 10 | 13 | 6 | 1 | 2 | 6 | 3 | 3 | 1 | 0 | 319 |
| TORRINGTON COMPANY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 100 | 12 | 16 | 22 | 16 | 26 | 27 | 12 | 14 | 16 | 11 | 13 | 11 | 13 | 10 | 319 |
| Patents By Year of Application: | 114 | 22 | 17 | 23 | 30 | 19 | 15 | 16 | 20 | 13 | 9 | 13 | 7 | 1 | 0 | 319 |
| EXXON RESEARCH + ENGINEERING CO. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 273 | 9 | 2 | 4 | 5 | 5 | 2 | 3 | 6 | 4 | 2 | 2 | 0 | 0 | 0 | 317 |
| Patents By Year of Application: | 285 | 4 | 1 | 6 | 4 | 2 | 7 | 3 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 317 |
| THOMSON-CSF | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 195 | 23 | 16 | 14 | 13 | 10 | 8 | 8 | 10 | 5 | 4 | 3 | 5 | 1 | 2 | 317 |
| Patents By Year of Application: | 230 | 16 | 17 | 10 | 6 | 11 | 4 | 11 | 3 | 5 | 2 | 2 | 0 | 0 | 0 | 317 |
| ISHIKAWAJIMA-HARIMA HEAVY INDUSTRIES CO., LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 158 | 18 | 4 | 9 | 6 | 3 | 7 | 8 | 16 | 22 | 28 | 17 | 7 | 4 | 8 | 315 |
| Patents By Year of Application: | 180 | 5 | 6 | 5 | 8 | 10 | 16 | 23 | 24 | 17 | 7 | 7 | 6 | 1 | 0 | 315 |
| OKI ELECTRIC INDUSTRY CO., LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 116 | 20 | 21 | 16 | 10 | 12 | 3 | 9 | 14 | 11 | 15 | 19 | 17 | 16 | 16 | 315 |
| Patents By Year of Application: | 149 | 21 | 10 | 13 | 9 | 13 | 7 | 14 | 18 | 18 | 17 | 13 | 11 | 2 | 0 | 315 |
| BERG TECHNOLOGY, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 0 | 1 | 20 | 21 | 26 | 49 | 45 | 56 | 56 | 25 | 12 | 3 | 314 |
| Patents By Year of Application: | 0 | 0 | 0 | 16 | 26 | 27 | 56 | 56 | 49 | 46 | 26 | 9 | 1 | 2 | 0 | 314 |
| DAINIPPON SCREEN MFG. CO., LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 104 | 11 | 12 | 14 | 12 | 10 | 11 | 22 | 19 | 19 | 18 | 7 | 11 | 8 | 36 | 314 |
| Patents By Year of Application: | 125 | 13 | 15 | 10 | 15 | 18 | 27 | 17 | 18 | 7 | 4 | 10 | 21 | 14 | 0 | 314 |

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

| | Pre | | | | | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|--|
| | 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL | |
| LUK LAMELLEN UND KUPPLUNGSBAU GMBH | | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 126 | 13 | 15 | 13 | 11 | 12 | 6 | 16 | 11 | 15 | 15 | 29 | 29 | 0 | 1 | 312 | |
| Patents By Year of Application: | 151 | 16 | 13 | 11 | 14 | 15 | 7 | 20 | 10 | 15 | 35 | 4 | 1 | 0 | 0 | 312 | |
| RIETER MACHINE WORKS LTD. | | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 228 | 37 | 16 | 7 | 7 | 4 | 4 | 3 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 311 | |
| Patents By Year of Application: | 276 | 13 | 6 | 4 | 5 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 311 | |
| TRW OCCUPANY RESTRAINT SYSTEMS GMBH & CO., KG | | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 42 | 54 | 49 | 56 | 49 | 27 | 20 | 311 | |
| Patents By Year of Application: | 0 | 0 | 0 | 0 | 0 | 6 | 33 | 76 | 50 | 56 | 49 | 25 | 13 | 3 | 0 | 311 | |
| ACUSON CORPORATION | | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 2 | 2 | 2 | 3 | 3 | 3 | 15 | 17 | 26 | 51 | 43 | 50 | 38 | 40 | 14 | 309 | |
| Patents By Year of Application: | 6 | 2 | 4 | 3 | 6 | 26 | 24 | 50 | 44 | 65 | 45 | 20 | 13 | 1 | 0 | 309 | |
| RAYCHEM CORPORATION | | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 203 | 16 | 14 | 9 | 11 | 12 | 15 | 9 | 7 | 12 | 1 | 0 | 0 | 0 | 0 | 309 | |
| Patents By Year of Application: | 228 | 10 | 17 | 13 | 12 | 11 | 6 | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 309 | |
| THOMAS + BETTS CORPORATION | | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 185 | 12 | 13 | 7 | 9 | 10 | 14 | 20 | 12 | 19 | 6 | 1 | 1 | 0 | 0 | 309 | |
| Patents By Year of Application: | 200 | 13 | 11 | 15 | 14 | 21 | 16 | 13 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 309 | |
| COLGATE-PALMOLIVE COMPANY | | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 174 | 15 | 10 | 6 | 7 | 9 | 7 | 1 | 14 | 19 | 10 | 12 | 13 | 7 | 4 | 308 | |
| Patents By Year of Application: | 200 | 4 | 7 | 7 | 6 | 9 | 18 | 9 | 12 | 11 | 13 | 8 | 2 | 2 | 0 | 308 | |
| ALZA CORPORATION | | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 135 | 10 | 17 | 13 | 15 | 21 | 13 | 8 | 9 | 15 | 13 | 23 | 4 | 7 | 4 | 307 | |
| Patents By Year of Application: | 159 | 15 | 20 | 18 | 16 | 19 | 6 | 20 | 17 | 10 | 4 | 2 | 1 | 0 | 0 | 307 | |
| PPG INDUSTRIES INC. | | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 252 | 8 | 1 | 6 | 5 | 2 | 8 | 7 | 14 | 4 | 0 | 0 | 0 | 0 | 0 | 307 | |
| Patents By Year of Application: | 263 | 4 | 1 | 7 | 9 | 10 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 307 | |
| GARRETT CORPORATION | | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 306 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 306 | |
| Patents By Year of Application: | 306 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 306 | |
| TOSHIBA MACHINE CO., LTD. | | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 112 | 17 | 15 | 15 | 10 | 5 | 7 | 18 | 16 | 18 | 11 | 20 | 9 | 15 | 18 | 306 | |
| Patents By Year of Application: | 140 | 11 | 14 | 9 | 8 | 15 | 17 | 22 | 15 | 11 | 10 | 13 | 20 | 1 | 0 | 306 | |

[illegible]

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

| | Pre 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| MOORE BUSINESS FORMS INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 93 | 14 | 22 | 19 | 51 | 23 | 17 | 18 | 20 | 7 | 6 | 3 | 4 | 0 | 0 | 297 |
| Patents By Year of Application: | 115 | 16 | 41 | 49 | 20 | 29 | 18 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 297 |
| TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 1 | 1 | 1 | 0 | 2 | 1 | 5 | 7 | 11 | 25 | 43 | 46 | 40 | 46 | 68 | 297 |
| Patents By Year of Application: | 2 | 0 | 1 | 2 | 2 | 3 | 19 | 24 | 38 | 61 | 35 | 48 | 58 | 4 | 0 | 297 |
| UNITED STATES OF AMERICA, DEPARTMENT OF AGRICULTURE | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 173 | 10 | 16 | 8 | 9 | 11 | 8 | 4 | 11 | 10 | 6 | 6 | 6 | 12 | 7 | 297 |
| Patents By Year of Application: | 192 | 13 | 8 | 13 | 8 | 5 | 11 | 9 | 8 | 4 | 7 | 9 | 8 | 2 | 0 | 297 |
| BRIDGESTONE SPORTS CO., LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 18 | 50 | 28 | 32 | 36 | 39 | 45 | 37 | 293 |
| Patents By Year of Application: | 0 | 0 | 0 | 3 | 6 | 11 | 27 | 57 | 41 | 44 | 40 | 34 | 24 | 6 | 0 | 293 |
| NIPPON SEIKO KABUSHIKI KAISHA | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 204 | 52 | 26 | 9 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 293 |
| Patents By Year of Application: | 259 | 29 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 293 |
| ZEXEL CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 11 | 30 | 28 | 13 | 14 | 30 | 40 | 26 | 55 | 25 | 13 | 6 | 0 | 1 | 292 |
| Patents By Year of Application: | 20 | 32 | 18 | 19 | 23 | 48 | 31 | 44 | 36 | 9 | 12 | 0 | 0 | 0 | 0 | 292 |
| BORG-WARNER AUTOMOTIVE, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 47 | 20 | 6 | 12 | 24 | 31 | 21 | 41 | 36 | 38 | 11 | 0 | 1 | 2 | 0 | 290 |
| Patents By Year of Application: | 68 | 7 | 24 | 25 | 26 | 38 | 42 | 38 | 17 | 3 | 0 | 2 | 0 | 0 | 0 | 290 |
| BRITISH AEROSPACE | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 138 | 32 | 28 | 19 | 11 | 13 | 8 | 10 | 8 | 10 | 9 | 1 | 2 | 1 | 0 | 290 |
| Patents By Year of Application: | 199 | 17 | 14 | 14 | 8 | 7 | 10 | 8 | 7 | 5 | 1 | 0 | 0 | 0 | 0 | 290 |
| ACUSHNET COMPANY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 43 | 9 | 3 | 0 | 1 | 4 | 8 | 15 | 15 | 15 | 9 | 23 | 27 | 59 | 58 | 289 |
| Patents By Year of Application: | 54 | 2 | 0 | 1 | 7 | 20 | 12 | 12 | 16 | 28 | 30 | 48 | 48 | 11 | 0 | 289 |
| WINDMOELLER & HOELSCHER GMBH | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 142 | 9 | 21 | 9 | 17 | 6 | 10 | 9 | 10 | 17 | 8 | 7 | 10 | 9 | 5 | 289 |
| Patents By Year of Application: | 163 | 17 | 15 | 8 | 8 | 9 | 19 | 8 | 10 | 11 | 7 | 12 | 2 | 0 | 0 | 289 |
| AGENCY OF INDUSTRIAL SCIENCE & TECHNOLOGY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 144 | 20 | 7 | 6 | 6 | 15 | 12 | 9 | 11 | 11 | 9 | 9 | 14 | 8 | 7 | 288 |
| Patents By Year of Application: | 167 | 9 | 4 | 11 | 17 | 12 | 13 | 13 | 4 | 6 | 28 | 1 | 3 | 0 | 0 | 288 |

(Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

[illegible]

---- Organizational Patenting

(Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

| | Pre | | | | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL |
| NIDEX CO., LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 2 | 1 | 4 | 7 | 14 | 11 | 19 | 17 | 20 | 25 | 37 | 36 | 20 | 38 | 23 | 274 |
| Patents By Year of Application: | 3 | 10 | 14 | 13 | 17 | 15 | 21 | 27 | 41 | 29 | 35 | 32 | 16 | 1 | 0 | 274 |
| HITACHI CONSTRUCTION MACHINERY CO., LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 67 | 18 | 21 | 14 | 13 | 11 | 13 | 7 | 9 | 17 | 15 | 20 | 22 | 14 | 12 | 273 |
| Patents By Year of Application: | 103 | 15 | 12 | 10 | 16 | 5 | 10 | 14 | 27 | 16 | 15 | 18 | 10 | 2 | 0 | 273 |
| PERKIN-ELMER CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 233 | 8 | 5 | 7 | 4 | 5 | 3 | 3 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 273 |
| Patents By Year of Application: | 242 | 9 | 3 | 5 | 5 | 7 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 273 |
| HIROSE ELECTRIC CO., LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 56 | 12 | 34 | 18 | 4 | 5 | 8 | 9 | 13 | 24 | 12 | 26 | 21 | 17 | 13 | 272 |
| Patents By Year of Application: | 68 | 41 | 15 | 1 | 8 | 14 | 11 | 23 | 14 | 21 | 20 | 15 | 18 | 3 | 0 | 272 |
| TORO COMPANY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 120 | 8 | 11 | 11 | 9 | 6 | 10 | 10 | 14 | 11 | 19 | 6 | 20 | 9 | 8 | 272 |
| Patents By Year of Application: | 136 | 9 | 10 | 8 | 10 | 14 | 13 | 12 | 17 | 9 | 11 | 13 | 10 | 0 | 0 | 272 |
| STANLEY WORKS | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 110 | 12 | 12 | 7 | 6 | 8 | 11 | 10 | 12 | 14 | 9 | 17 | 21 | 11 | 11 | 271 |
| Patents By Year of Application: | 123 | 13 | 6 | 8 | 13 | 5 | 17 | 10 | 12 | 23 | 20 | 12 | 5 | 3 | 1 | 271 |
| BAKER INTERNATIONAL CORP. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 269 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 270 |
| Patents By Year of Application: | 270 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 270 |
| AMERICAN HOSPITAL SUPPLY CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 268 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 268 |
| Patents By Year of Application: | 268 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 268 |
| BASF AKTIENGESELLSCHAFT | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 171 | 14 | 8 | 5 | 2 | 1 | 1 | 2 | 2 | 10 | 7 | 13 | 10 | 16 | 6 | 268 |
| Patents By Year of Application: | 189 | 8 | 2 | 3 | 0 | 3 | 4 | 6 | 14 | 12 | 11 | 13 | 1 | 2 | 0 | 268 |
| DELAWARE CAPITAL FORMATION, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 22 | 10 | 15 | 13 | 6 | 5 | 10 | 13 | 19 | 13 | 20 | 19 | 25 | 41 | 37 | 268 |
| Patents By Year of Application: | 37 | 13 | 12 | 7 | 11 | 14 | 19 | 21 | 13 | 17 | 30 | 38 | 33 | 3 | 0 | 268 |
| UNIVERSITY OF TEXAS | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 50 | 14 | 12 | 11 | 17 | 14 | 17 | 15 | 10 | 17 | 17 | 10 | 18 | 24 | 22 | 268 |
| Patents By Year of Application: | 78 | 13 | 19 | 13 | 15 | 17 | 15 | 17 | 14 | 20 | 20 | 16 | 11 | 0 | 0 | 268 |

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

| | Pre | | | | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL |
| EMHART INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 11 | 31 | 18 | 19 | 15 | 29 | 21 | 17 | 27 | 28 | 24 | 26 | 1 | 0 | 267 |
| Patents By Year of Application: | 28 | 16 | 27 | 19 | 24 | 22 | 17 | 27 | 32 | 23 | 25 | 6 | 1 | 0 | 0 | 267 |
| VOLKSWAGENWERK AKTIENGESELLSCHAFT | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 266 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 266 |
| Patents By Year of Application: | 266 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 266 |
| PRINCE CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 85 | 23 | 14 | 25 | 20 | 17 | 19 | 9 | 16 | 18 | 14 | 3 | 1 | 0 | 0 | 264 |
| Patents By Year of Application: | 115 | 18 | 31 | 18 | 16 | 12 | 16 | 20 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 264 |
| INTERNATIONAL GAME TECHNOLOGY (IGT) | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 13 | 1 | 1 | 1 | 1 | 2 | 0 | 2 | 9 | 7 | 6 | 16 | 35 | 68 | 101 | 263 |
| Patents By Year of Application: | 14 | 1 | 3 | 2 | 0 | 2 | 11 | 10 | 11 | 12 | 81 | 66 | 31 | 19 | 0 | 263 |
| USX CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 239 | 1 | 2 | 3 | 0 | 1 | 5 | 3 | 2 | 5 | 1 | 0 | 1 | 0 | 0 | 263 |
| Patents By Year of Application: | 240 | 3 | 2 | 0 | 5 | 2 | 3 | 2 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 263 |
| HUGHES TOOL COMPANY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 256 | 2 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 262 |
| Patents By Year of Application: | 258 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 262 |
| LAM RESEARCH CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 5 | 1 | 0 | 2 | 1 | 0 | 2 | 6 | 10 | 7 | 26 | 38 | 57 | 64 | 43 | 262 |
| Patents By Year of Application: | 7 | 0 | 1 | 0 | 1 | 5 | 14 | 15 | 20 | 53 | 70 | 47 | 27 | 2 | 0 | 262 |
| STANFORD UNIVERSITY, LELAND JUNIOR, THE BOARD OF TRUSTEES OF | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 95 | 12 | 13 | 14 | 8 | 6 | 8 | 9 | 7 | 15 | 18 | 8 | 14 | 14 | 19 | 260 |
| Patents By Year of Application: | 116 | 14 | 11 | 6 | 7 | 14 | 6 | 12 | 19 | 18 | 11 | 19 | 7 | 0 | 0 | 260 |
| TOKYO ELECTRIC CO., LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 147 | 31 | 38 | 26 | 12 | 5 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 260 |
| Patents By Year of Application: | 197 | 34 | 17 | 11 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 260 |
| BELL + HOWELL COMPANY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 230 | 3 | 12 | 7 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 257 |
| Patents By Year of Application: | 236 | 13 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 257 |
| BOC GROUP, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 74 | 7 | 9 | 13 | 17 | 20 | 19 | 13 | 20 | 17 | 12 | 13 | 9 | 4 | 9 | 256 |
| Patents By Year of Application: | 83 | 15 | 14 | 19 | 21 | 14 | 18 | 24 | 10 | 14 | 11 | 8 | 5 | 0 | 0 | 256 |

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

| | Pre 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL |
|-------------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| FUJI ELECTRIC CO., LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 97 | 13 | 5 | 7 | 10 | 13 | 21 | 17 | 14 | 20 | 10 | 7 | 6 | 12 | 4 | 256 |
| Patents By Year of Application: | 114 | 5 | 10 | 14 | 18 | 22 | 20 | 13 | 13 | 3 | 8 | 13 | 3 | 0 | 0 | 256 |
| NGK SPARK PLUG CO., LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 98 | 18 | 10 | 15 | 7 | 4 | 4 | 2 | 9 | 7 | 8 | 13 | 12 | 29 | 20 | 256 |
| Patents By Year of Application: | 119 | 14 | 12 | 7 | 5 | 4 | 4 | 10 | 10 | 11 | 17 | 21 | 20 | 1 | 1 | 256 |
| AMSTED INDUSTRIES, INCORPORATED | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 132 | 10 | 14 | 9 | 8 | 7 | 9 | 1 | 14 | 12 | 7 | 20 | 6 | 4 | 2 | 255 |
| Patents By Year of Application: | 148 | 15 | 4 | 8 | 11 | 4 | 8 | 17 | 13 | 13 | 9 | 1 | 3 | 1 | 0 | 255 |
| EXEDY CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 21 | 32 | 75 | 50 | 34 | 9 | 17 | 15 | 255 |
| Patents By Year of Application: | 0 | 0 | 0 | 0 | 3 | 12 | 29 | 69 | 51 | 41 | 15 | 13 | 16 | 6 | 0 | 255 |
| RIVERWOOD INTERNATIONAL CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 2 | 5 | 7 | 30 | 26 | 42 | 47 | 35 | 24 | 14 | 12 | 8 | 3 | 0 | 255 |
| Patents By Year of Application: | 3 | 5 | 9 | 35 | 43 | 52 | 32 | 34 | 11 | 18 | 8 | 4 | 0 | 1 | 0 | 255 |
| CALLAWAY GOLF COMPANY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 4 | 2 | 3 | 10 | 13 | 5 | 6 | 9 | 5 | 8 | 20 | 67 | 60 | 41 | 253 |
| Patents By Year of Application: | 4 | 4 | 4 | 10 | 14 | 8 | 5 | 10 | 8 | 25 | 40 | 49 | 53 | 18 | 1 | 253 |
| SMITHKLINE BECKMAN CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 201 | 4 | 8 | 3 | 6 | 11 | 6 | 2 | 4 | 8 | 0 | 0 | 0 | 0 | 0 | 253 |
| Patents By Year of Application: | 209 | 7 | 6 | 7 | 11 | 1 | 3 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 253 |
| CONTAINER CORPORATION OF AMERICA | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 240 | 5 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 252 |
| Patents By Year of Application: | 242 | 6 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 252 |
| KANZAKI KOKYOKOKI MFG. CO., LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 54 | 11 | 5 | 4 | 9 | 10 | 12 | 16 | 14 | 17 | 17 | 21 | 27 | 22 | 11 | 250 |
| Patents By Year of Application: | 67 | 5 | 7 | 13 | 10 | 19 | 13 | 19 | 22 | 16 | 25 | 18 | 14 | 2 | 0 | 250 |
| VDO ADOLF SCHINDLING AG | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 169 | 18 | 18 | 7 | 1 | 4 | 7 | 1 | 15 | 6 | 2 | 1 | 0 | 1 | 0 | 250 |
| Patents By Year of Application: | 189 | 17 | 6 | 3 | 7 | 4 | 16 | 4 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 250 |
| TELEFLEX INCORPORATED | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 68 | 11 | 18 | 14 | 5 | 12 | 15 | 22 | 10 | 12 | 16 | 27 | 10 | 5 | 4 | 249 |
| Patents By Year of Application: | 84 | 20 | 10 | 13 | 4 | 23 | 19 | 12 | 11 | 27 | 14 | 10 | 1 | 1 | 0 | 249 |

---- Organizational Patenting

(Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

| | Pre 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| WEYERHAEUSER COMPANY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 137 | 10 | 7 | 8 | 6 | 4 | 5 | 8 | 2 | 2 | 7 | 8 | 13 | 15 | 17 | 249 |
| Patents By Year of Application: | 156 | 4 | 6 | 7 | 1 | 10 | 3 | 1 | 8 | 8 | 10 | 16 | 15 | 4 | 0 | 249 |
| BRAUN A.G. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 85 | 6 | 6 | 20 | 14 | 14 | 21 | 23 | 21 | 20 | 11 | 5 | 1 | 0 | 1 | 248 |
| Patents By Year of Application: | 93 | 11 | 25 | 11 | 21 | 29 | 23 | 22 | 9 | 3 | 0 | 1 | 0 | 0 | 0 | 248 |
| DAYCO PRODUCTS LLC | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 73 | 24 | 16 | 13 | 22 | 22 | 21 | 5 | 7 | 8 | 11 | 8 | 2 | 8 | 7 | 247 |
| Patents By Year of Application: | 104 | 12 | 21 | 17 | 22 | 19 | 5 | 12 | 4 | 12 | 5 | 6 | 8 | 0 | 0 | 247 |
| TOMY COMPANY, LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 181 | 9 | 9 | 1 | 6 | 4 | 3 | 1 | 8 | 0 | 3 | 5 | 6 | 8 | 3 | 247 |
| Patents By Year of Application: | 194 | 6 | 5 | 4 | 2 | 3 | 7 | 1 | 4 | 2 | 8 | 6 | 5 | 0 | 0 | 247 |
| ZINSER TEXTILMASCHINEN GMBH | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 136 | 11 | 18 | 2 | 10 | 3 | 10 | 7 | 4 | 14 | 17 | 12 | 2 | 1 | 0 | 247 |
| Patents By Year of Application: | 159 | 9 | 6 | 5 | 7 | 8 | 3 | 10 | 20 | 11 | 5 | 3 | 1 | 0 | 0 | 247 |
| AMERICAN CYANAMID COMPANY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 126 | 8 | 13 | 22 | 22 | 20 | 6 | 5 | 9 | 6 | 3 | 5 | 0 | 0 | 0 | 245 |
| Patents By Year of Application: | 149 | 20 | 20 | 25 | 7 | 9 | 4 | 3 | 1 | 5 | 2 | 0 | 0 | 0 | 0 | 245 |
| TELEFONAKTIEBOLAGET LM ERICSSON | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 61 | 11 | 2 | 2 | 5 | 7 | 10 | 10 | 12 | 23 | 26 | 29 | 24 | 18 | 5 | 245 |
| Patents By Year of Application: | 70 | 8 | 2 | 4 | 12 | 11 | 16 | 26 | 35 | 25 | 21 | 12 | 1 | 2 | 0 | 245 |
| ELECTRIC POWER RESEARCH INSTITUTE, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 144 | 15 | 11 | 11 | 5 | 11 | 5 | 8 | 8 | 3 | 6 | 5 | 5 | 3 | 4 | 244 |
| Patents By Year of Application: | 167 | 8 | 11 | 9 | 7 | 9 | 3 | 7 | 8 | 5 | 5 | 2 | 2 | 1 | 0 | 244 |
| AEROQUIP CORPORATION, LINAIR DIVISION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 115 | 5 | 12 | 16 | 11 | 10 | 17 | 13 | 14 | 10 | 14 | 4 | 2 | 0 | 0 | 243 |
| Patents By Year of Application: | 128 | 14 | 10 | 6 | 19 | 20 | 16 | 7 | 15 | 8 | 0 | 0 | 0 | 0 | 0 | 243 |
| BROWN & WILLIAMSON TOBACCO CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 149 | 10 | 9 | 4 | 7 | 6 | 3 | 1 | 7 | 10 | 6 | 5 | 5 | 11 | 9 | 242 |
| Patents By Year of Application: | 166 | 5 | 4 | 7 | 6 | 1 | 7 | 7 | 9 | 6 | 10 | 7 | 6 | 1 | 0 | 242 |
| FANUC LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 94 | 11 | 16 | 13 | 18 | 8 | 18 | 13 | 8 | 8 | 7 | 10 | 8 | 5 | 5 | 242 |
| Patents By Year of Application: | 115 | 11 | 21 | 11 | 15 | 19 | 5 | 12 | 9 | 8 | 8 | 7 | 1 | 0 | 0 | 242 |

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

| | Pre | | | | | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|--|
| | 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL | |
| LORD CORPORATION | | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 81 | 9 | 5 | 8 | 4 | 6 | 8 | 6 | 16 | 17 | 21 | 23 | 18 | 9 | 11 | 242 | |
| Patents By Year of Application: | 92 | 12 | 5 | 6 | 6 | 9 | 17 | 24 | 19 | 18 | 13 | 11 | 8 | 2 | 0 | 242 | |
| MITA INDUSTRIAL COMPANY LTD. | | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 58 | 26 | 35 | 32 | 21 | 22 | 8 | 7 | 14 | 14 | 5 | 0 | 0 | 0 | 0 | 242 | |
| Patents By Year of Application: | 108 | 28 | 28 | 27 | 11 | 14 | 8 | 10 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 242 | |
| HOOVER UNIVERSAL, INC. | | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 115 | 17 | 22 | 10 | 23 | 24 | 14 | 7 | 4 | 4 | 1 | 0 | 0 | 0 | 0 | 241 | |
| Patents By Year of Application: | 136 | 23 | 21 | 21 | 20 | 11 | 1 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 241 | |
| COPELAND CORPORATION | | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 47 | 12 | 10 | 5 | 18 | 17 | 18 | 15 | 11 | 7 | 15 | 19 | 15 | 14 | 16 | 239 | |
| Patents By Year of Application: | 67 | 2 | 12 | 20 | 17 | 27 | 9 | 13 | 7 | 13 | 15 | 15 | 18 | 4 | 0 | 239 | |
| FOSTER WHEELER ENERGY INTERNATIONAL, INC. | | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 158 | 12 | 8 | 12 | 17 | 9 | 8 | 4 | 5 | 2 | 0 | 0 | 1 | 0 | 3 | 239 | |
| Patents By Year of Application: | 171 | 13 | 17 | 8 | 11 | 7 | 6 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 239 | |
| ADC TELECOMMUNICATIONS, INC. | | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 19 | 4 | 5 | 12 | 10 | 6 | 5 | 2 | 7 | 11 | 10 | 14 | 30 | 53 | 50 | 238 | |
| Patents By Year of Application: | 26 | 6 | 12 | 10 | 5 | 3 | 5 | 12 | 12 | 20 | 39 | 50 | 29 | 9 | 0 | 238 | |
| DAIKIN INDUSTRIES LIMITED | | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 57 | 9 | 9 | 5 | 6 | 9 | 10 | 17 | 8 | 9 | 22 | 22 | 14 | 23 | 18 | 238 | |
| Patents By Year of Application: | 70 | 8 | 7 | 4 | 13 | 17 | 8 | 13 | 22 | 12 | 15 | 27 | 18 | 4 | 0 | 238 | |
| EP TECHNOLOGIES, INC. | | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 2 | 0 | 0 | 3 | 13 | 10 | 17 | 15 | 36 | 45 | 41 | 19 | 21 | 12 | 4 | 238 | |
| Patents By Year of Application: | 2 | 4 | 10 | 13 | 16 | 28 | 57 | 42 | 18 | 12 | 23 | 7 | 6 | 0 | 0 | 238 | |
| IKEDA BUSSAN CO., LTD. | | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 84 | 28 | 24 | 17 | 19 | 6 | 9 | 7 | 12 | 9 | 8 | 11 | 2 | 1 | 1 | 238 | |
| Patents By Year of Application: | 124 | 25 | 15 | 13 | 10 | 4 | 13 | 8 | 9 | 11 | 5 | 1 | 0 | 0 | 0 | 238 | |
| MARATHON OIL COMPANY | | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 129 | 20 | 12 | 6 | 15 | 13 | 6 | 7 | 9 | 3 | 4 | 3 | 5 | 3 | 3 | 238 | |
| Patents By Year of Application: | 154 | 9 | 13 | 12 | 11 | 12 | 4 | 6 | 5 | 2 | 6 | 1 | 2 | 1 | 0 | 238 | |
| UNION OIL COMPANY OF CALIFORNIA | | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 139 | 13 | 19 | 16 | 14 | 8 | 3 | 3 | 4 | 2 | 3 | 6 | 3 | 4 | 1 | 238 | |
| Patents By Year of Application: | 162 | 16 | 19 | 10 | 6 | 5 | 2 | 1 | 5 | 3 | 4 | 4 | 1 | 0 | 0 | 238 | |

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

| | Pre | | | | | | | | | | | | | | | |
|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL |
| NEW VENTURE GEAR, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 3 | 13 | 6 | 17 | 9 | 2 | 19 | 27 | 17 | 22 | 6 | 30 | 39 | 27 | 237 |
| Patents By Year of Application: | 7 | 11 | 9 | 17 | 6 | 15 | 23 | 16 | 21 | 11 | 20 | 34 | 25 | 21 | 1 | 237 |
| NSK-WARNER K. K. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 112 | 8 | 4 | 2 | 1 | 6 | 2 | 10 | 11 | 9 | 18 | 12 | 16 | 11 | 15 | 237 |
| Patents By Year of Application: | 122 | 3 | 1 | 4 | 8 | 8 | 17 | 7 | 10 | 19 | 12 | 11 | 12 | 3 | 0 | 237 |
| JOHANNES HEIDENHAIN GMBH | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 122 | 5 | 6 | 4 | 3 | 6 | 15 | 10 | 6 | 5 | 8 | 8 | 10 | 13 | 15 | 236 |
| Patents By Year of Application: | 132 | 5 | 4 | 6 | 11 | 9 | 10 | 9 | 9 | 7 | 13 | 5 | 11 | 5 | 0 | 236 |
| WARNER-LAMBERT COMPANY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 112 | 15 | 9 | 3 | 13 | 11 | 7 | 11 | 11 | 6 | 8 | 8 | 11 | 9 | 1 | 235 |
| Patents By Year of Application: | 133 | 6 | 8 | 10 | 12 | 15 | 6 | 13 | 7 | 9 | 8 | 4 | 3 | 1 | 0 | 235 |
| AKEBONO BRAKE INDUSTRY CO., LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 112 | 19 | 12 | 11 | 15 | 4 | 2 | 2 | 6 | 16 | 8 | 20 | 5 | 1 | 1 | 234 |
| Patents By Year of Application: | 139 | 9 | 19 | 4 | 4 | 1 | 9 | 14 | 14 | 9 | 5 | 4 | 3 | 0 | 0 | 234 |
| LOCKHEED CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 189 | 4 | 1 | 6 | 9 | 7 | 13 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 233 |
| Patents By Year of Application: | 195 | 3 | 8 | 5 | 15 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 233 |
| STEELCASE INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 60 | 6 | 8 | 19 | 19 | 15 | 15 | 17 | 34 | 29 | 6 | 5 | 0 | 0 | 0 | 233 |
| Patents By Year of Application: | 71 | 18 | 20 | 21 | 18 | 19 | 27 | 23 | 11 | 5 | 0 | 0 | 0 | 0 | 0 | 233 |
| VOEST-ALPINE AKTIENGESELLSCHAFT | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 233 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 233 |
| Patents By Year of Application: | 233 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 233 |
| TEKTRONIX INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 85 | 11 | 14 | 7 | 7 | 10 | 17 | 12 | 19 | 20 | 8 | 3 | 9 | 5 | 5 | 232 |
| Patents By Year of Application: | 103 | 16 | 9 | 14 | 14 | 15 | 13 | 19 | 10 | 1 | 7 | 4 | 6 | 1 | 0 | 232 |
| TOKYO KIKAI SEISAKUSHO, LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 43 | 7 | 8 | 11 | 14 | 17 | 8 | 9 | 10 | 9 | 12 | 17 | 18 | 22 | 26 | 231 |
| Patents By Year of Application: | 55 | 12 | 11 | 14 | 10 | 18 | 4 | 8 | 10 | 20 | 18 | 20 | 21 | 10 | 0 | 231 |
| ZIMMER, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 51 | 16 | 28 | 15 | 22 | 24 | 25 | 23 | 9 | 4 | 0 | 1 | 6 | 7 | 0 | 231 |
| Patents By Year of Application: | 78 | 22 | 24 | 23 | 33 | 24 | 7 | 5 | 1 | 0 | 10 | 3 | 1 | 0 | 0 | 231 |

----- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ----- Ranked List of Organizations with 200 or More Patents -----

| | Pre 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL |
|-----------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| RICHARD WOLF GMBH | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 88 | 22 | 18 | 6 | 11 | 11 | 11 | 6 | 12 | 12 | 10 | 5 | 8 | 3 | 7 | 230 |
| Patents By Year of Application: | 126 | 8 | 8 | 11 | 11 | 10 | 11 | 13 | 11 | 2 | 9 | 7 | 2 | 1 | 0 | 230 |
| SMC CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 13 | 2 | 4 | 0 | 4 | 9 | 10 | 17 | 15 | 25 | 18 | 34 | 34 | 21 | 24 | 230 |
| Patents By Year of Application: | 18 | 1 | 3 | 5 | 13 | 18 | 12 | 18 | 30 | 12 | 45 | 29 | 20 | 6 | 0 | 230 |
| LINDAUER DORNIER GESELLSCHAFT MBH | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 80 | 7 | 11 | 7 | 13 | 13 | 10 | 7 | 13 | 13 | 23 | 15 | 9 | 3 | 5 | 229 |
| Patents By Year of Application: | 93 | 7 | 9 | 15 | 9 | 11 | 14 | 9 | 17 | 15 | 12 | 10 | 8 | 0 | 0 | 229 |
| THE BOC GROUP PLC | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 33 | 6 | 11 | 6 | 12 | 11 | 17 | 28 | 22 | 21 | 21 | 14 | 12 | 9 | 6 | 229 |
| Patents By Year of Application: | 46 | 8 | 7 | 11 | 13 | 26 | 26 | 25 | 23 | 16 | 16 | 5 | 6 | 1 | 0 | 229 |
| DAYCO CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 228 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 228 |
| Patents By Year of Application: | 228 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 228 |
| KONAMI CO., LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 3 | 1 | 1 | 0 | 2 | 11 | 13 | 17 | 30 | 29 | 40 | 52 | 29 | 228 |
| Patents By Year of Application: | 3 | 1 | 1 | 0 | 4 | 10 | 16 | 31 | 34 | 28 | 50 | 44 | 6 | 0 | 0 | 228 |
| TACHI-S CO., LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 68 | 21 | 16 | 16 | 17 | 7 | 10 | 15 | 6 | 4 | 7 | 2 | 8 | 14 | 16 | 227 |
| Patents By Year of Application: | 99 | 21 | 15 | 8 | 11 | 6 | 15 | 3 | 5 | 5 | 10 | 9 | 10 | 10 | 0 | 227 |
| KABUSHIKI KAISHA SHINKAWA | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 6 | 14 | 19 | 23 | 21 | 13 | 17 | 12 | 17 | 16 | 21 | 16 | 10 | 11 | 10 | 226 |
| Patents By Year of Application: | 33 | 9 | 30 | 17 | 14 | 19 | 21 | 16 | 17 | 15 | 16 | 10 | 8 | 1 | 0 | 226 |
| DIEHL GMBH & CO. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 159 | 21 | 11 | 8 | 4 | 3 | 3 | 11 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 223 |
| Patents By Year of Application: | 183 | 10 | 8 | 4 | 2 | 9 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 223 |
| AGFA-GEVAERT N.V. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 57 | 3 | 2 | 5 | 3 | 8 | 9 | 10 | 20 | 16 | 22 | 18 | 15 | 14 | 20 | 222 |
| Patents By Year of Application: | 62 | 4 | 3 | 12 | 8 | 18 | 16 | 20 | 13 | 19 | 14 | 16 | 15 | 2 | 0 | 222 |
| BORGWARNER INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 50 | 43 | 49 | 56 | 222 |
| Patents By Year of Application: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 57 | 41 | 52 | 36 | 25 | 0 | 222 |

---- Organizational Patenting

(Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

| | Pre 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| KUBOTA CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 9 | 19 | 23 | 19 | 16 | 18 | 13 | 13 | 14 | 17 | 11 | 17 | 18 | 15 | 222 |
| Patents By Year of Application: | 18 | 21 | 23 | 18 | 25 | 10 | 16 | 17 | 13 | 12 | 18 | 15 | 15 | 1 | 0 | 222 |
| FORD NEW HOLLAND, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 90 | 35 | 40 | 23 | 27 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 220 |
| Patents By Year of Application: | 132 | 37 | 33 | 15 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 220 |
| BRITISH TELECOMMUNICATION, PLC | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 58 | 14 | 19 | 13 | 12 | 14 | 16 | 9 | 14 | 14 | 8 | 13 | 7 | 6 | 2 | 219 |
| Patents By Year of Application: | 86 | 18 | 14 | 17 | 15 | 10 | 17 | 12 | 18 | 4 | 4 | 4 | 0 | 0 | 0 | 219 |
| JULIUS BLUM GMBH | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 121 | 8 | 3 | 6 | 10 | 7 | 10 | 10 | 6 | 7 | 8 | 7 | 4 | 6 | 6 | 219 |
| Patents By Year of Application: | 132 | 4 | 10 | 3 | 10 | 15 | 6 | 9 | 8 | 6 | 4 | 5 | 7 | 0 | 0 | 219 |
| TMC CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 192 | 17 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 219 |
| Patents By Year of Application: | 217 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 219 |
| MORTON THIOKOL, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 137 | 12 | 5 | 5 | 15 | 15 | 11 | 12 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 218 |
| Patents By Year of Application: | 156 | 7 | 16 | 12 | 9 | 10 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 218 |
| SUMITOMO METAL INDUSTRIES CO., LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 102 | 12 | 3 | 5 | 2 | 6 | 11 | 9 | 6 | 7 | 24 | 11 | 9 | 4 | 7 | 218 |
| Patents By Year of Application: | 116 | 5 | 3 | 5 | 11 | 11 | 9 | 10 | 13 | 11 | 12 | 5 | 6 | 1 | 0 | 218 |
| W. L. GORE & ASSOCIATES, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 33 | 9 | 13 | 20 | 10 | 18 | 26 | 25 | 34 | 19 | 9 | 0 | 2 | 0 | 0 | 218 |
| Patents By Year of Application: | 45 | 16 | 17 | 25 | 22 | 34 | 29 | 22 | 7 | 0 | 1 | 0 | 0 | 0 | 0 | 218 |
| NESTEC, S.A. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 53 | 8 | 12 | 19 | 14 | 20 | 9 | 12 | 7 | 8 | 8 | 15 | 11 | 6 | 15 | 217 |
| Patents By Year of Application: | 72 | 15 | 14 | 22 | 14 | 9 | 8 | 8 | 11 | 5 | 13 | 11 | 13 | 2 | 0 | 217 |
| HERMAN MILLER INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 62 | 11 | 18 | 18 | 8 | 6 | 6 | 10 | 8 | 3 | 12 | 13 | 14 | 10 | 17 | 216 |
| Patents By Year of Application: | 86 | 22 | 11 | 8 | 3 | 16 | 4 | 9 | 7 | 6 | 16 | 20 | 7 | 0 | 1 | 216 |
| THERMO KING CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 88 | 7 | 19 | 16 | 17 | 16 | 6 | 6 | 3 | 5 | 6 | 1 | 7 | 11 | 7 | 215 |
| Patents By Year of Application: | 93 | 18 | 24 | 15 | 11 | 11 | 5 | 5 | 5 | 3 | 3 | 11 | 10 | 1 | 0 | 215 |

---- Organizational Patenting

(Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

| | Pre | | | | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL |
| DANIELI & CO. OFFICINE MECCANICHE SPA | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 58 | 9 | 8 | 7 | 6 | 8 | 10 | 14 | 20 | 24 | 11 | 17 | 12 | 8 | 2 | 214 |
| Patents By Year of Application: | 74 | 5 | 10 | 6 | 14 | 16 | 15 | 28 | 5 | 12 | 19 | 7 | 3 | 0 | 0 | 214 |
| INA WALZLAGER SCHAEFFLER OHG | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 27 | 42 | 56 | 50 | 24 | 5 | 214 |
| Patents By Year of Application: | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 12 | 47 | 54 | 51 | 39 | 8 | 0 | 0 | 214 |
| ROSEMOUNT INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 78 | 3 | 8 | 11 | 12 | 4 | 11 | 8 | 12 | 9 | 13 | 5 | 7 | 23 | 10 | 214 |
| Patents By Year of Application: | 88 | 7 | 12 | 8 | 9 | 9 | 14 | 12 | 9 | 14 | 11 | 12 | 8 | 1 | 0 | 214 |
| HUBBELL INCORPORATED | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 21 | 7 | 5 | 5 | 12 | 16 | 13 | 11 | 19 | 18 | 27 | 21 | 14 | 13 | 11 | 213 |
| Patents By Year of Application: | 29 | 5 | 6 | 18 | 14 | 18 | 19 | 20 | 22 | 23 | 16 | 14 | 8 | 1 | 0 | 213 |
| MANNESMANN VDO AG | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 34 | 60 | 72 | 37 | 7 | 213 |
| Patents By Year of Application: | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 29 | 70 | 68 | 38 | 0 | 0 | 0 | 213 |
| PENTAX CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 97 | 110 | 213 |
| Patents By Year of Application: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 34 | 84 | 65 | 25 | 2 | 213 |
| SDGI HOLDINGS, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 14 | 25 | 23 | 36 | 27 | 46 | 41 | 213 |
| Patents By Year of Application: | 0 | 0 | 0 | 1 | 1 | 5 | 15 | 26 | 19 | 35 | 56 | 37 | 16 | 2 | 0 | 213 |
| UOP | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 157 | 1 | 2 | 4 | 5 | 8 | 7 | 2 | 4 | 6 | 9 | 0 | 3 | 1 | 4 | 213 |
| Patents By Year of Application: | 158 | 2 | 6 | 9 | 6 | 5 | 2 | 6 | 11 | 1 | 1 | 1 | 4 | 1 | 0 | 213 |
| FRAMATOME CONNECTORS INTERNATIONAL S.A. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 1 | 7 | 22 | 17 | 20 | 14 | 25 | 32 | 27 | 31 | 13 | 3 | 212 |
| Patents By Year of Application: | 0 | 0 | 3 | 18 | 21 | 20 | 17 | 28 | 26 | 32 | 29 | 18 | 0 | 0 | 0 | 212 |
| TYCO ELECTRONICS CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 37 | 67 | 82 | 212 |
| Patents By Year of Application: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 14 | 44 | 48 | 78 | 23 | 1 | 212 |
| ASEA BROWN BOVERI AKTIENGESELLSCHAFT | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 5 | 3 | 2 | 0 | 4 | 2 | 0 | 28 | 45 | 33 | 36 | 49 | 4 | 0 | 0 | 211 |
| Patents By Year of Application: | 10 | 1 | 1 | 3 | 2 | 17 | 53 | 36 | 42 | 44 | 2 | 0 | 0 | 0 | 0 | 211 |

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

| | Pre | | | | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL |
| NORDICA S.P.A. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 79 | 17 | 14 | 15 | 8 | 14 | 19 | 12 | 15 | 9 | 7 | 1 | 1 | 0 | 0 | 211 |
| Patents By Year of Application: | 99 | 20 | 10 | 19 | 14 | 18 | 17 | 9 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 211 |
| AVERY DENNISON CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 1 | 3 | 1 | 10 | 12 | 13 | 17 | 22 | 27 | 23 | 24 | 22 | 20 | 15 | 210 |
| Patents By Year of Application: | 2 | 2 | 15 | 5 | 17 | 21 | 21 | 23 | 23 | 27 | 23 | 20 | 8 | 3 | 0 | 210 |
| BAUSCH & LOMB, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 73 | 0 | 5 | 3 | 4 | 12 | 8 | 8 | 13 | 8 | 6 | 13 | 13 | 20 | 24 | 210 |
| Patents By Year of Application: | 75 | 5 | 4 | 12 | 7 | 6 | 14 | 13 | 9 | 7 | 27 | 16 | 13 | 2 | 0 | 210 |
| CALIFORNIA INSTITUTE OF TECHNOLOGY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 57 | 4 | 0 | 5 | 12 | 5 | 3 | 4 | 2 | 16 | 10 | 17 | 21 | 34 | 20 | 210 |
| Patents By Year of Application: | 63 | 4 | 8 | 7 | 3 | 4 | 9 | 8 | 17 | 22 | 28 | 22 | 10 | 5 | 0 | 210 |
| MASCHINENFABRIK RIETER AG | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 47 | 35 | 27 | 12 | 16 | 9 | 4 | 7 | 5 | 5 | 12 | 6 | 10 | 7 | 8 | 210 |
| Patents By Year of Application: | 104 | 21 | 11 | 10 | 7 | 3 | 7 | 6 | 13 | 1 | 9 | 14 | 3 | 1 | 0 | 210 |
| WESTVACO CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 128 | 4 | 6 | 5 | 7 | 8 | 5 | 4 | 14 | 9 | 7 | 9 | 2 | 2 | 0 | 210 |
| Patents By Year of Application: | 133 | 3 | 5 | 12 | 6 | 5 | 10 | 12 | 9 | 6 | 6 | 3 | 0 | 0 | 0 | 210 |
| INTERMEDICS, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 46 | 8 | 6 | 3 | 7 | 17 | 18 | 13 | 3 | 12 | 24 | 22 | 13 | 13 | 4 | 209 |
| Patents By Year of Application: | 59 | 4 | 5 | 14 | 16 | 19 | 7 | 6 | 31 | 22 | 14 | 10 | 0 | 2 | 0 | 209 |
| NIPPON TELEGRAPH & TELEPHONE CORP. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 72 | 8 | 9 | 5 | 9 | 10 | 14 | 11 | 15 | 9 | 7 | 9 | 7 | 13 | 11 | 209 |
| Patents By Year of Application: | 87 | 3 | 9 | 9 | 15 | 12 | 19 | 7 | 12 | 14 | 9 | 10 | 3 | 0 | 0 | 209 |
| SMC KABUSHIKI KAISHA | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 2 | 0 | 1 | 7 | 8 | 7 | 11 | 10 | 12 | 21 | 20 | 27 | 33 | 34 | 16 | 209 |
| Patents By Year of Application: | 2 | 7 | 7 | 4 | 11 | 13 | 11 | 15 | 28 | 20 | 40 | 31 | 17 | 3 | 0 | 209 |
| M.A.N.-MASCHINENFABRIK AUGSBURG-NURNBERG AKTIENGESELLSCHAFT | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 207 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 208 |
| Patents By Year of Application: | 208 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 208 |
| MANNESMANN REXROTH GMBH | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 134 | 12 | 12 | 13 | 11 | 3 | 5 | 9 | 6 | 2 | 1 | 0 | 0 | 0 | 0 | 208 |
| Patents By Year of Application: | 157 | 8 | 15 | 7 | 5 | 7 | 4 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 208 |

----- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ----- Ranked List of Organizations with 200 or More Patents -----

| | Pre 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| WALBRO CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 54 | 9 | 7 | 13 | 7 | 14 | 17 | 20 | 6 | 13 | 18 | 13 | 11 | 6 | 0 | 208 |
| Patents By Year of Application: | 67 | 3 | 14 | 12 | 16 | 21 | 13 | 17 | 11 | 11 | 14 | 9 | 0 | 0 | 0 | 208 |
| AMADA COMPANY, LIMITED | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 86 | 15 | 17 | 11 | 15 | 11 | 6 | 4 | 4 | 8 | 7 | 7 | 3 | 3 | 10 | 207 |
| Patents By Year of Application: | 116 | 16 | 12 | 8 | 7 | 6 | 4 | 12 | 6 | 3 | 6 | 3 | 7 | 1 | 0 | 207 |
| HUSKY INJECTION MOLDING SYSTEMS LIMITED | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 47 | 9 | 8 | 8 | 10 | 7 | 12 | 9 | 10 | 8 | 19 | 21 | 18 | 16 | 5 | 207 |
| Patents By Year of Application: | 56 | 13 | 9 | 9 | 11 | 13 | 7 | 9 | 21 | 20 | 22 | 13 | 3 | 1 | 0 | 207 |
| OWENS-ILLINOIS CLOSURE INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 50 | 4 | 5 | 7 | 5 | 6 | 5 | 11 | 9 | 21 | 17 | 24 | 23 | 13 | 7 | 207 |
| Patents By Year of Application: | 57 | 4 | 8 | 7 | 10 | 8 | 7 | 22 | 12 | 22 | 21 | 21 | 7 | 1 | 0 | 207 |
| ROHM COMPANY LIMITED | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 7 | 7 | 4 | 12 | 15 | 17 | 25 | 15 | 17 | 13 | 15 | 18 | 23 | 11 | 8 | 207 |
| Patents By Year of Application: | 14 | 7 | 24 | 25 | 26 | 18 | 14 | 16 | 8 | 14 | 17 | 17 | 3 | 4 | 0 | 207 |
| SUMITOMO HEAVY INDUSTRIES, LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 57 | 4 | 8 | 18 | 19 | 9 | 10 | 11 | 3 | 10 | 10 | 13 | 15 | 8 | 12 | 207 |
| Patents By Year of Application: | 64 | 15 | 19 | 17 | 10 | 11 | 4 | 6 | 13 | 13 | 13 | 11 | 10 | 1 | 0 | 207 |
| KOHLER CO. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 48 | 8 | 8 | 11 | 22 | 8 | 8 | 11 | 12 | 12 | 6 | 13 | 10 | 15 | 14 | 206 |
| Patents By Year of Application: | 57 | 12 | 11 | 20 | 10 | 10 | 12 | 13 | 7 | 6 | 17 | 7 | 21 | 3 | 0 | 206 |
| STEELCASE DEVELOPMENT CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 39 | 45 | 50 | 36 | 21 | 206 |
| Patents By Year of Application: | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 8 | 48 | 49 | 59 | 21 | 16 | 2 | 0 | 206 |
| BELOIT CORPORATION | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 176 | 14 | 13 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 204 |
| Patents By Year of Application: | 197 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 204 |
| INA WALZLAGER SCHAEFFLER KG | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 66 | 12 | 7 | 11 | 6 | 16 | 17 | 24 | 28 | 13 | 2 | 1 | 0 | 0 | 1 | 204 |
| Patents By Year of Application: | 79 | 8 | 9 | 7 | 19 | 24 | 27 | 28 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 204 |
| CHARLES STARK DRAPER LABORATORY, INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 98 | 13 | 13 | 9 | 9 | 10 | 10 | 9 | 6 | 6 | 1 | 5 | 3 | 7 | 4 | 203 |
| Patents By Year of Application: | 131 | 10 | 7 | 4 | 8 | 12 | 6 | 3 | 3 | 3 | 4 | 6 | 6 | 0 | 0 | 203 |

---- Organizational Patenting

(Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

| | Pre | | | | | | | | | | | | | | | |
|--|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | TOTAL |
| HYDRIL COMPANY L.P. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 143 | 1 | 1 | 2 | 6 | 4 | 3 | 7 | 4 | 3 | 8 | 7 | 5 | 8 | 1 | 203 |
| Patents By Year of Application: | 145 | 2 | 0 | 8 | 4 | 3 | 9 | 4 | 10 | 5 | 7 | 6 | 0 | 0 | 0 | 203 |
| HUTCHINSON | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 41 | 14 | 13 | 18 | 11 | 9 | 9 | 9 | 10 | 17 | 13 | 6 | 10 | 10 | 11 | 201 |
| Patents By Year of Application: | 67 | 14 | 12 | 12 | 8 | 12 | 10 | 14 | 12 | 9 | 10 | 10 | 8 | 2 | 1 | 201 |
| TORAY INDUSTRIES INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 134 | 4 | 1 | 1 | 4 | 9 | 7 | 4 | 1 | 7 | 7 | 9 | 3 | 6 | 4 | 201 |
| Patents By Year of Application: | 139 | 1 | 4 | 7 | 7 | 5 | 5 | 5 | 13 | 3 | 5 | 6 | 1 | 0 | 0 | 201 |
| GOLDSTAR COMPANY, LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 23 | 11 | 11 | 24 | 32 | 40 | 40 | 18 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 200 |
| Patents By Year of Application: | 40 | 25 | 33 | 40 | 42 | 14 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 200 |
| JAPAN AVIATION ELECTRONICS INDUSTRY LTD. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 30 | 14 | 9 | 10 | 8 | 8 | 3 | 11 | 11 | 13 | 12 | 14 | 17 | 16 | 24 | 200 |
| Patents By Year of Application: | 46 | 11 | 10 | 7 | 10 | 9 | 7 | 13 | 14 | 14 | 18 | 20 | 8 | 13 | 0 | 200 |
| JAPAN TOBACCO INC. | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 50 | 4 | 5 | 10 | 16 | 16 | 15 | 11 | 11 | 5 | 18 | 10 | 10 | 8 | 11 | 200 |
| Patents By Year of Application: | 58 | 9 | 16 | 13 | 17 | 13 | 6 | 13 | 24 | 7 | 7 | 8 | 4 | 5 | 0 | 200 |
| JOHNS HOPKINS UNIVERSITY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 74 | 10 | 3 | 2 | 5 | 6 | 2 | 6 | 8 | 13 | 8 | 13 | 12 | 20 | 18 | 200 |
| Patents By Year of Application: | 87 | 1 | 5 | 8 | 2 | 8 | 11 | 10 | 13 | 19 | 11 | 11 | 13 | 1 | 0 | 200 |
| KAO KABUSHIKI KAISHA (KAO CORPORATION) | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 23 | 13 | 8 | 8 | 9 | 13 | 10 | 14 | 18 | 13 | 12 | 16 | 9 | 19 | 15 | 200 |
| Patents By Year of Application: | 43 | 8 | 8 | 9 | 16 | 15 | 19 | 16 | 16 | 9 | 15 | 22 | 2 | 2 | 0 | 200 |
| SHERWOOD MEDICAL COMPANY | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 94 | 13 | 23 | 16 | 21 | 14 | 10 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 200 |
| Patents By Year of Application: | 115 | 24 | 24 | 15 | 14 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 200 |
| Other Organizations (125152) | | | | | | | | | | | | | | | | |
| Patents By Year of Grant: | 193692 | 18290 | 18082 | 17751 | 18606 | 17794 | 18999 | 19031 | 24779 | 25885 | 27384 | 28887 | 28299 | 29378 | 27340 | 514197 |
| Patents By Year of Application: | 222453 | 18508 | 18868 | 19531 | 21129 | 22776 | 24016 | 27146 | 27427 | 28899 | 29809 | 28262 | 20022 | 5214 | 137 | 514197 |