

TECHNOLOGY ASSESSMENT AND FORECAST REPORT

CHEMICAL CLASSES

1977 - December 2001



April 2002
U.S. PATENT AND TRADEMARK OFFICE
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A TECHNOLOGY ASSESSMENT AND FORECAST REPORT

Technology Profile Report - CHEMICAL Classes

Explanation of Data

This Technology Profile Report profiles the patent activity for U.S. utility patents * granted between **1977** and **December 2001** in CHEMICAL 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 1988**" column, correspond to selected patents * in the data base which were granted during the period **1977 to 1987**.

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 **1998 to DECEMBER 2001** are incomplete.** This is because a significant number of the applications filed from **1998 to DECEMBER 2001**, which will ultimately become patents, were still pending in **DECEMBER 2001**. 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 1988**" column, correspond to patent grants in the report which were filed prior to **1988**.

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 **12/31/2001**, utility patent application data were approximately 79% complete for patent applications filed in 1998, 53% complete for 1999 filings and 16% complete for 2000 filings. They were essentially complete for applications filed prior to 1998.

CHEMICAL, ELECTRICAL, MECHANICAL CLASSES

DECEMBER 2001

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	399	455	503
	505	700	701	702	703	704	705	706	707	708	709	710	711	712
	713	714	716	717	725	902								

The following subclasses are also Electrical: 84/600-746; 385/1-52; 359/1-195, 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 2001
CHEMICAL, ELECTRICAL, MECHANICAL

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

*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

*359/1-195, 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

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USPTO. TPD-TAF Branch

Part A1

Patent Grants as Distributed By Year of Patent Grant

---- Patents Granted By Date Of Patent Grant (Granted: Jan 01, 1977 - Dec 31, 2001) ----

----- NUMBER OF PATENTS -----

Pre 1988 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 Total

Total	220355	21742	26945	25968	27607	29380	30637	29193	29314	30609	33760	40506	43327	42319	45788	677450
U.S. Origin	124530	11204	13782	13079	14119	15436	16053	15411	15188	16449	18350	21578	23134	22231	23489	364033
Foreign Origin	95825	10538	13163	12889	13488	13944	14584	13782	14126	14160	15410	18928	20193	20088	22299	313417
JAPAN	31729	4276	5438	5471	5815	6242	6794	6419	6115	5940	6138	7402	7719	7559	8189	121246
GERMANY	23331	2332	2790	2705	2663	2700	2583	2383	2489	2475	2584	3165	3106	3158	3469	61933
UNITED KINGDOM	9235	841	1004	950	969	906	878	804	902	839	1066	1309	1381	1260	1360	23704
FRANCE	7707	796	944	917	1000	1002	1025	922	999	970	1150	1377	1449	1369	1499	23126
CANADA	3151	332	461	430	463	538	531	524	563	626	661	802	920	906	954	11862
SWITZERLAND	5250	431	504	478	474	429	450	412	436	419	449	463	510	452	512	11669
ITALY	2961	316	417	410	426	429	494	451	413	427	431	498	510	504	533	9220
NETHERLANDS	2325	237	332	284	337	287	319	299	232	221	263	394	431	416	439	6816
TAIWAN	99	19	31	51	71	93	146	202	304	349	420	655	913	1261	1558	6172
SWEDEN	1834	159	187	189	156	150	161	155	202	214	255	308	363	334	411	5078
BELGIUM	1429	145	189	153	165	176	203	195	226	268	327	379	384	402	406	5047
SOUTH KOREA	61	13	29	52	83	102	164	190	302	328	424	624	736	770	937	4815
AUSTRALIA	751	86	107	88	124	93	92	130	136	124	154	213	237	193	282	2810
FINLAND	553	74	75	115	118	139	107	88	114	143	146	151	172	148	200	2343
DENMARK	489	41	78	61	71	81	90	96	96	107	174	211	260	232	233	2320
AUSTRIA	631	98	100	86	103	112	84	69	91	105	141	138	157	118	178	2211
ISRAEL	457	63	98	83	88	99	105	87	87	146	123	165	195	187	196	2179
U.S.S.R.	1030	25	38	49	45	25	20	25	4	11	2	5	2			1281
HUNGARY	685	54	76	51	62	64	49	35	39	32	12	27	15	20	33	1254
SPAIN	210	27	36	37	37	46	47	41	45	59	58	91	76	70	75	955
NORWAY	223	20	23	26	33	33	26	30	32	49	44	52	59	68	63	781
SOUTH AFRICA	252	30	31	36	34	35	30	22	36	24	34	32	37	36	47	716
INDIA	91	11	10	18	15	16	25	17	26	22	35	67	90	103	131	677
RUSSIAN FEDERATION							1	13	35	55	54	86	76	75	83	478
MEXICO	159	20	15	14	13	15	24	21	17	16	17	20	30	26	21	428
SINGAPORE	5		1	2	3	8	6	10	16	18	35	41	50	87	126	408
CHINA P.REP.	11	10	20	14	16	19	24	19	22	22	36	41	37	51	61	403
CZECHOSLOVAKIA	252	17	12	14	9	14	7	6	5	4	3	4	3	5	2	357
IRELAND	70	12	19	13	19	14	12	11	14	19	18	12	23	24	24	304
NEW ZEALAND	56	5	10	9	11	12	9	12	9	14	19	22	34	35	26	283
BRAZIL	64	5	8	9	11	9	11	14	21	12	13	19	23	28	20	267
VENEZUELA	48	7	15	10	10	7	13	15	15	10	19	21	26	16	15	247
POLAND	109	2	8	5		1	5	4	5	6	8	7	10	7	7	184
CHINA,HONG KONG S.A.R	21	4	3	5	1	3	4	5	11	9	6	12	13	24	27	148
LUXEMBOURG	66	4	5	4	1	7	4	3	5	4	6	7	6	13	4	139
BULGARIA	98	2	5	11	3	3	1	2	1	1	4		1	1	1	134
Others (89)	382	24	44	39	39	35	40	51	61	72	81	108	139	130	177	1422

Ownership:

U.S. Corporations	117429	10656	13164	12390	13412	14417	15102	14482	14098	15335	17183	20321	21727	21020	22134	342870
U.S. Government	3812	263	304	316	353	416	414	406	362	327	377	420	437	347	369	8923
U.S. Individuals	11314	1018	1285	1300	1270	1438	1395	1357	1551	1602	1623	1995	2151	1917	2070	33286
Foreign Corporations	79850	9050	11282	11073	11644	12186	12868	12167	12477	12549	13679	16701	17922	18093	20112	271653
Foreign Government	1440	171	176	157	202	193	180	113	82	100	121	131	88	58	55	3267
Foreign Individuals	6510	584	734	732	726	730	678	668	744	696	777	938	1002	884	1048	17451

---- Patents Granted By Date Of Patent Grant (Granted: Jan 01, 1977 - Dec 31, 2001) ----

	PERCENT OF PATENTS															
	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	Total
Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
U.S. Origin	57	52	51	50	51	53	52	53	52	54	54	53	53	53	51	54
Foreign Origin	43	48	49	50	49	47	48	47	48	46	46	47	47	47	49	46
JAPAN	14	20	20	21	21	21	22	22	21	19	18	18	18	18	18	18
GERMANY	11	11	10	10	10	9	8	8	8	8	8	8	7	7	8	9
UNITED KINGDOM	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3
FRANCE	3	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3
CANADA	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
SWITZERLAND	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2
ITALY	1	1	2	2	2	1	2	2	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
TAIWAN								1	1	1	1	2	2	3	3	1
SWEDEN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BELGIUM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SOUTH KOREA							1	1	1	1	1	2	2	2	2	1
AUSTRALIA												1	1		1	0
FINLAND																0
DENMARK											1	1	1	1	1	0
AUSTRIA																0
ISRAEL																0
U.S.S.R.																0
HUNGARY																0
SPAIN																0
NORWAY																0
SOUTH AFRICA																0
INDIA																0
RUSSIAN FEDERATION																0
MEXICO																0
SINGAPORE																0
CHINA P.REP.																0
CZECHOSLOVAKIA																0
IRELAND																0
NEW ZEALAND																0
BRAZIL																0
VENEZUELA																0
POLAND																0
CHINA,HONG KONG S.A.R																0
LUXEMBOURG																0
BULGARIA																0
Others (89)																0
Ownership:																
U.S. Corporations	53	49	49	48	49	49	49	50	48	50	51	50	50	50	48	51
U.S. Government	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
U.S. Individuals	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Foreign Corporations	36	42	42	43	42	41	42	42	43	41	41	41	41	43	44	40
Foreign Government	1	1	1	1	1	1	1									0
Foreign Individuals	3	3	3	3	3	2	2	2	3	2	2	2	2	2	2	3

Part A2

Patent Grants as Distributed By Year of Patent Application

---- Patents Granted By Date Of Patent Application (Granted: Jan 01, 1977 - Dec 31, 2001) ----

	NUMBER OF PATENTED APPLICATIONS															
	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	Total
Total	265455	26304	28147	28601	28637	30214	31299	35763	45254	37228	43131	37855	30003	9133	426	677450
U.S. Origin	147629	13341	14254	14953	15139	16139	16809	19245	25353	19074	22627	19512	15226	4525	207	364033
Foreign Origin	117826	12963	13893	13648	13498	14075	14490	16518	19901	18154	20504	18343	14777	4608	219	313417
JAPAN	40550	5555	6065	6121	6266	6416	6197	6848	7650	7382	8169	6896	5293	1751	87	121246
GERMANY	27978	2718	2788	2573	2386	2523	2605	2813	3395	2915	3297	2830	2355	716	41	61933
UNITED KINGDOM	11068	917	1009	921	800	828	963	1065	1412	1163	1320	1088	886	257	7	23704
FRANCE	9426	931	924	981	997	1006	982	1173	1561	1239	1426	1258	947	264	11	23126
CANADA	3847	478	497	474	515	551	591	749	972	763	841	792	607	180	5	11862
SWITZERLAND	6123	516	463	395	425	416	449	512	554	427	499	446	337	104	3	11669
ITALY	3667	391	431	449	419	463	468	434	597	465	504	438	381	112	1	9220
NETHERLANDS	2822	297	344	316	278	306	296	278	380	354	437	351	277	76	4	6816
TAIWAN	133	34	53	96	120	148	241	366	437	695	874	1275	1311	362	27	6172
SWEDEN	2186	147	182	146	168	170	197	282	363	265	362	307	227	73	3	5078
BELGIUM	1740	144	183	179	192	177	232	312	452	369	369	346	252	94	6	5047
SOUTH KOREA	93	51	76	90	139	184	242	372	485	704	719	751	675	220	14	4815
AUSTRALIA	963	94	115	106	97	135	137	174	235	198	211	187	134	23	1	2810
FINLAND	701	110	110	125	132	103	122	165	165	153	163	153	114	27		2343
DENMARK	609	71	65	86	79	94	122	140	270	149	238	206	144	47		2320
AUSTRIA	815	85	101	121	82	77	97	132	164	128	156	129	94	30		2211
ISRAEL	646	80	96	90	74	96	116	162	196	142	162	155	123	40	1	2179
U.S.S.R.	1083	40	43	42	27	19	11	4	7	2	2	1				1281
HUNGARY	824	49	55	63	52	35	35	32	30	15	18	20	17	9		1254
SPAIN	273	33	42	38	43	43	51	64	83	71	87	71	39	17		955
NORWAY	266	29	31	33	27	37	36	43	70	50	50	46	51	11	1	781
SOUTH AFRICA	307	31	41	33	28	24	35	42	29	33	31	42	35	5		716
INDIA	109	16	20	18	15	30	22	29	37	59	98	94	79	50	1	677
RUSSIAN FEDERATION					1	10	40	56	68	91	76	68	52	16		478
MEXICO	190	14	16	16	20	22	15	23	20	28	19	26	14	5		428
SINGAPORE	7	1	4	6	7	9	10	24	25	57	55	60	90	48	5	408
CHINA P.REP.	33	19	20	18	17	20	30	22	41	39	41	45	44	14		403
CZECHOSLOVAKIA	283	6	18	8	8	9	6	5	7	2	1	4				357
IRELAND	95	22	14	15	14	11	18	21	21	16	19	23	11	4		304
NEW ZEALAND	70	12	11	14	4	14	10	25	17	23	33	26	18	6		283
BRAZIL	76	10	13	4	12	14	18	19	18	19	24	23	16	1		267
VENEZUELA	67	8	9	13	7	18	15	14	17	18	24	21	15	1		247
POLAND	117	6	1	1	5	6	7	6	7	9	7	6	5	1		184
CHINA,HONG KONG S.A.R	26	4	3	4	4	4	9	13	4	10	23	22	18	3	1	148
LUXEMBOURG	74	2	4	5	6	2	2	7	5	9	11	9	3			139
BULGARIA	103	10	5	4	1	2		2	3	1	2		1			134
Others (89)	456	32	41	44	31	53	63	90	104	91	136	128	112	41		1422
Ownership:																
U.S. Corporations	139393	12684	13441	14074	14121	15073	15685	17887	23790	18053	21341	18496	14361	4284	187	342870
U.S. Government	4380	341	366	427	400	439	424	437	489	324	347	275	201	71	2	8923
U.S. Individuals	13397	1249	1365	1332	1414	1423	1601	1847	2165	1778	2079	1727	1415	462	32	33286
Foreign Corporations	98677	11176	12037	11885	11874	12443	12781	14613	17695	16083	18280	16504	13288	4123	194	271653
Foreign Government	1786	163	165	200	167	137	95	117	133	112	90	51	38	13		3267
Foreign Individuals	7822	691	773	683	661	699	713	862	982	878	994	802	700	180	11	17451

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, 2001) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre																
	1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL	
BAYER AKTIENGESELLSCHAFT																	
Patents By Year of Grant:	4175	428	454	476	477	465	426	334	321	316	345	371	328	287	348	9551	
Patents By Year of Application:	4940	430	498	474	380	405	347	337	380	392	360	242	256	98	12	9551	
E. I. DU PONT DE NEMOURS AND COMPANY																	
Patents By Year of Grant:	3042	308	347	388	470	490	476	399	387	338	286	356	313	298	307	8205	
Patents By Year of Application:	3613	350	455	516	444	412	390	377	376	335	360	280	213	76	8	8205	
BASF AKTIENGESELLSCHAFT																	
Patents By Year of Grant:	2416	273	338	383	366	377	344	309	296	315	273	395	404	501	473	7463	
Patents By Year of Application:	2935	376	373	370	321	306	322	325	374	349	459	468	342	133	10	7463	
GENERAL ELECTRIC COMPANY																	
Patents By Year of Grant:	2964	242	300	252	301	360	301	295	280	299	227	227	236	209	304	6797	
Patents By Year of Application:	3426	281	323	303	301	281	299	315	292	244	231	232	195	69	5	6797	
DOW CHEMICAL COMPANY																	
Patents By Year of Grant:	3042	387	392	368	296	287	304	247	205	170	144	161	132	124	158	6417	
Patents By Year of Application:	3727	359	354	271	261	249	242	204	205	153	137	107	105	42	1	6417	
EASTMAN KODAK COMPANY																	
Patents By Year of Grant:	1729	176	278	286	331	289	445	374	349	306	309	428	400	340	297	6337	
Patents By Year of Application:	2055	311	316	360	340	418	341	311	296	464	400	385	241	97	2	6337	
CIBA-GEIGY CORPORATION																	
Patents By Year of Grant:	3173	274	331	392	395	308	319	290	264	267	232	15	3	2	0	6265	
Patents By Year of Application:	3738	367	343	336	303	281	280	304	272	40	1	0	0	0	0	6265	
FUJI PHOTO FILM CO., LTD																	
Patents By Year of Grant:	1853	281	386	383	403	342	392	347	301	295	224	245	235	241	246	6174	
Patents By Year of Application:	2489	377	385	366	366	323	300	294	278	274	289	191	161	78	3	6174	
HOECHST AKTIENGESELLSCHAFT																	
Patents By Year of Grant:	2385	209	239	258	268	318	331	308	287	327	338	314	147	82	18	5829	
Patents By Year of Application:	2817	279	278	271	270	343	305	343	471	209	195	36	11	1	0	5829	
MOBIL OIL CORP.																	
Patents By Year of Grant:	2061	158	257	260	301	240	230	235	162	143	80	58	61	61	44	4351	
Patents By Year of Application:	2409	255	290	245	254	231	187	180	113	45	54	55	31	2	0	4351	
MINNESOTA MINING AND MANUFACTURING COMPANY																	
Patents By Year of Grant:	1127	149	204	180	184	219	271	290	336	335	365	310	216	21	10	4217	
Patents By Year of Application:	1448	191	169	236	230	269	307	360	462	330	189	22	3	1	0	4217	

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2001) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
INTERNATIONAL BUSINESS MACHINES CORPORATION																
Patents By Year of Grant:	1100	94	95	81	116	119	154	186	163	206	194	240	347	415	527	4037
Patents By Year of Application:	1265	86	106	86	194	178	154	218	277	259	386	377	357	92	2	4037
PROCTER + GAMBLE COMPANY																
Patents By Year of Grant:	843	70	111	99	103	124	116	144	174	247	306	348	412	348	316	3761
Patents By Year of Application:	1017	88	103	113	115	129	183	249	345	417	406	266	249	80	1	3761
PHILLIPS PETROLEUM COMPANY																
Patents By Year of Grant:	2237	120	121	109	142	159	183	136	96	80	63	63	60	103	68	3740
Patents By Year of Application:	2464	111	105	170	156	160	111	86	113	49	59	98	45	13	0	3740
MERCK + CO., INC.																
Patents By Year of Grant:	1428	121	169	131	150	157	211	159	119	122	159	176	212	176	181	3671
Patents By Year of Application:	1692	120	129	161	191	220	126	155	156	139	213	189	132	47	1	3671
SHELL OIL COMPANY																
Patents By Year of Grant:	1366	154	302	228	230	228	185	159	118	92	99	125	110	93	88	3577
Patents By Year of Application:	1687	241	220	245	200	171	143	130	121	133	112	91	66	16	1	3577
EXXON RESEARCH + ENGINEERING CO.																
Patents By Year of Grant:	2171	97	119	124	125	107	105	116	78	66	64	97	118	99	66	3552
Patents By Year of Application:	2381	94	114	122	114	103	94	83	90	71	116	110	57	3	0	3552
IMPERIAL CHEMICAL INDUSTRIES PLC																
Patents By Year of Grant:	1514	149	136	154	154	172	206	113	81	56	50	54	38	36	34	2947
Patents By Year of Application:	1811	148	174	138	170	150	84	64	71	47	34	30	22	4	0	2947
AMERICAN CYANAMID COMPANY																
Patents By Year of Grant:	1533	88	104	125	96	112	111	126	77	100	102	103	105	63	64	2909
Patents By Year of Application:	1764	85	81	112	104	115	118	102	173	46	76	60	56	17	0	2909
SUMITOMO CHEMICAL COMPANY, LIMITED																
Patents By Year of Grant:	1021	112	138	110	139	129	143	160	134	132	117	138	125	139	159	2896
Patents By Year of Application:	1247	124	137	119	130	154	143	174	145	132	132	111	109	39	0	2896
CANON KABUSHIKI KAISHA																
Patents By Year of Grant:	457	86	137	133	114	148	169	172	175	224	207	212	196	195	226	2851
Patents By Year of Application:	656	128	130	152	157	191	167	236	299	210	222	165	117	19	2	2851
MONSANTO COMPANY, INC.																
Patents By Year of Grant:	1584	64	85	78	124	122	99	73	71	77	95	69	80	76	62	2759
Patents By Year of Application:	1727	91	114	112	93	84	81	80	113	75	81	54	44	9	1	2759

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2001) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PFIZER INC.																
Patents By Year of Grant:	824	59	77	80	88	79	64	72	75	81	99	114	109	151	172	2144
Patents By Year of Application:	928	79	92	92	68	86	81	113	107	69	127	85	158	51	8	2144
UNIVERSITY OF CALIFORNIA, THE REGENTS OF																
Patents By Year of Grant:	227	32	43	32	54	49	61	87	113	149	177	238	285	296	288	2131
Patents By Year of Application:	328	31	51	60	66	68	152	194	302	215	245	234	153	31	1	2131
UNITED STATES OF AMERICA, DEPARTMENT OF ENERGY																
Patents By Year of Grant:	1154	114	101	96	73	105	71	66	46	27	27	22	34	29	33	1998
Patents By Year of Application:	1336	98	94	89	90	68	55	31	25	27	34	22	23	6	0	1998
AMOCO CORPORATION																
Patents By Year of Grant:	897	115	142	139	105	152	101	66	42	52	48	55	10	0	0	1924
Patents By Year of Application:	1129	147	127	140	103	66	57	51	52	32	19	1	0	0	0	1924
UPJOHN COMPANY																
Patents By Year of Grant:	1668	15	27	24	19	30	30	23	21	32	21	1	1	0	1	1913
Patents By Year of Application:	1715	18	22	22	30	28	29	25	22	2	0	0	0	0	0	1913
TEXACO INC.																
Patents By Year of Grant:	1152	66	95	84	67	78	69	61	71	46	14	24	21	18	10	1876
Patents By Year of Application:	1299	77	72	71	77	65	62	56	30	19	17	22	7	2	0	1876
DOW CORNING CORPORATION																
Patents By Year of Grant:	455	75	97	115	129	139	93	123	103	102	84	103	102	73	57	1850
Patents By Year of Application:	579	102	136	134	112	99	122	119	107	104	85	85	53	12	1	1850
KONICA CORPORATION																
Patents By Year of Grant:	518	77	91	110	129	98	126	120	98	76	62	91	83	74	70	1823
Patents By Year of Application:	660	105	103	133	112	98	92	113	72	87	100	73	56	18	1	1823
TEXAS INSTRUMENTS, INCORPORATED																
Patents By Year of Grant:	312	32	105	65	78	95	100	112	134	112	116	84	104	156	181	1786
Patents By Year of Application:	412	95	71	95	92	111	113	177	143	89	127	131	109	18	3	1786
NEC CORPORATION																
Patents By Year of Grant:	90	16	19	15	20	30	39	97	107	124	147	185	264	301	325	1779
Patents By Year of Application:	117	19	22	22	43	87	73	159	171	197	308	282	198	79	2	1779
WESTINGHOUSE ELECTRIC CORP.																
Patents By Year of Grant:	931	143	134	109	95	86	70	71	52	35	21	20	5	3	0	1775
Patents By Year of Application:	1173	105	111	94	61	63	63	49	27	17	11	1	0	0	0	1775

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2001) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre																
	1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL	
HOECHST CELANESE CORPORATION																	
Patents By Year of Grant:	627	96	112	177	115	122	99	88	71	70	72	63	22	10	3	1747	
Patents By Year of Application:	836	126	135	123	108	85	73	75	88	56	37	3	2	0	0	1747	
SIEMENS AKTIENGESELLSCHAFT																	
Patents By Year of Grant:	612	56	91	69	47	48	66	65	70	51	61	106	134	143	100	1719	
Patents By Year of Application:	719	77	67	54	54	65	64	69	76	96	150	119	92	17	0	1719	
SHIN ETSU CHEMICAL CO., LTD.																	
Patents By Year of Grant:	258	60	49	58	107	131	161	150	128	122	88	90	91	102	118	1713	
Patents By Year of Application:	337	59	97	141	121	149	127	149	133	91	82	102	85	38	2	1713	
L'OREAL S.A.																	
Patents By Year of Grant:	317	30	68	55	68	52	59	43	47	90	148	146	199	168	201	1691	
Patents By Year of Application:	427	62	48	53	51	54	50	95	191	165	198	131	130	35	1	1691	
WARNER-LAMBERT COMPANY																	
Patents By Year of Grant:	547	105	105	101	105	83	82	66	69	59	76	51	74	76	73	1672	
Patents By Year of Application:	743	98	88	99	75	60	76	87	88	33	53	83	61	26	2	1672	
HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN(HENKEL KGAA)																	
Patents By Year of Grant:	537	93	116	104	57	40	64	93	95	100	66	79	80	49	84	1657	
Patents By Year of Application:	725	111	79	30	55	85	85	114	82	101	80	50	53	7	0	1657	
ABBOTT LABORATORIES																	
Patents By Year of Grant:	391	26	30	42	55	93	91	99	82	130	159	122	122	106	105	1653	
Patents By Year of Application:	458	44	65	58	99	92	98	111	227	130	107	74	59	29	2	1653	
ROHM AND HAAS COMPANY																	
Patents By Year of Grant:	629	18	32	32	48	64	114	123	115	95	62	69	81	76	93	1651	
Patents By Year of Application:	688	23	48	73	98	103	120	99	100	55	72	77	68	26	1	1651	
MOTOROLA, INC.																	
Patents By Year of Grant:	206	54	51	45	61	77	101	96	128	126	148	162	140	141	98	1634	
Patents By Year of Application:	288	36	62	75	90	103	100	154	174	169	191	124	44	24	0	1634	
AT&T CORP.																	
Patents By Year of Grant:	984	44	54	65	76	83	84	91	88	40	1	0	0	0	0	1610	
Patents By Year of Application:	1073	53	78	73	88	87	94	54	10	0	0	0	0	0	0	1610	
MITSUBISHI DENKI KABUSHIKI KAISHA																	
Patents By Year of Grant:	197	60	62	82	101	116	140	100	99	85	76	85	112	102	145	1562	
Patents By Year of Application:	297	78	107	99	141	107	93	105	108	96	114	93	84	38	2	1562	

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	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
ADVANCED MICRO DEVICES, INC.																
Patents By Year of Grant:	52	6	10	10	10	8	6	15	18	25	58	132	273	420	509	1552
Patents By Year of Application:	66	8	15	7	3	14	14	30	83	147	359	365	304	131	6	1552
UNITED STATES OF AMERICA, NAVY																
Patents By Year of Grant:	653	24	15	41	72	78	89	98	68	62	58	76	93	56	67	1550
Patents By Year of Application:	738	36	52	80	72	88	96	64	72	68	70	54	42	18	0	1550
TAKEDA CHEMICAL INDUSTRIES LTD.																
Patents By Year of Grant:	513	56	77	82	48	65	90	66	69	92	75	69	76	70	101	1549
Patents By Year of Application:	649	72	80	60	74	66	82	88	96	82	65	42	67	26	0	1549
CHEVRON RESEARCH & TECHNOLOGY CO.																
Patents By Year of Grant:	1124	65	45	39	52	57	52	52	22	3	5	0	1	0	2	1519
Patents By Year of Application:	1242	27	40	68	38	59	34	7	2	1	0	0	0	1	0	1519
CORNING INCORPORATED																
Patents By Year of Grant:	661	59	45	63	48	63	70	78	43	54	46	40	51	67	112	1500
Patents By Year of Application:	748	55	56	61	60	74	61	69	54	35	54	65	87	21	0	1500
W. R. GRACE & CO.-CONN.																
Patents By Year of Grant:	509	52	85	87	87	108	102	105	72	68	58	46	23	15	28	1445
Patents By Year of Application:	632	91	89	90	119	82	96	59	91	37	22	18	13	5	1	1445
GOODYEAR TIRE + RUBBER COMPANY																
Patents By Year of Grant:	669	48	45	49	56	47	52	41	41	47	63	69	51	62	78	1418
Patents By Year of Application:	742	50	50	55	50	47	33	42	59	66	78	64	63	13	6	1418
COLGATE-PALMOLIVE COMPANY																
Patents By Year of Grant:	502	47	77	40	51	43	44	45	56	64	65	95	118	81	83	1411
Patents By Year of Application:	607	50	58	40	52	35	54	80	48	89	99	63	72	51	13	1411
UNITED MICROELECTRONICS CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	2	7	40	112	111	68	82	182	324	471	1399
Patents By Year of Application:	0	0	0	2	2	5	54	159	91	107	153	390	333	96	7	1399
BRISTOL-MYERS SQUIBB COMPANY																
Patents By Year of Grant:	376	42	48	59	65	59	50	56	68	71	98	100	101	84	74	1351
Patents By Year of Application:	464	52	46	81	42	63	96	91	111	76	69	69	55	36	0	1351
EXXON CHEMICALS PATENTS INC.																
Patents By Year of Grant:	34	30	63	71	108	88	110	111	122	102	111	118	106	107	65	1346
Patents By Year of Application:	127	82	84	110	79	93	135	104	169	94	156	78	32	3	0	1346

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2001) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
UNITED STATES OF AMERICA, HEALTH & HUMAN SERVICES																
Patents By Year of Grant:	210	22	26	30	31	60	71	87	82	97	138	159	132	91	97	1333
Patents By Year of Application:	278	43	58	68	72	117	109	162	189	61	87	48	31	10	0	1333
AIR PRODUCTS AND CHEMICALS, INC.																
Patents By Year of Grant:	349	50	81	79	96	67	86	99	60	58	44	62	60	81	55	1327
Patents By Year of Application:	453	91	72	82	71	97	74	69	62	53	67	62	58	16	0	1327
SONY CORPORATION																
Patents By Year of Grant:	172	15	17	11	17	22	62	83	87	95	108	119	172	158	149	1287
Patents By Year of Application:	201	12	19	20	45	103	81	95	140	152	170	128	99	22	0	1287
E. R. SQUIBB + SONS, INC.																
Patents By Year of Grant:	820	62	46	43	45	66	62	40	23	21	21	16	8	3	2	1278
Patents By Year of Application:	924	36	58	57	69	55	31	11	24	5	7	1	0	0	0	1278
LEVER BROTHERS COMPANY, DIVISION OF CONOPCO, INC.																
Patents By Year of Grant:	577	42	45	54	53	48	41	51	67	53	50	59	58	32	26	1256
Patents By Year of Application:	652	52	57	53	46	34	69	50	63	72	59	36	9	4	0	1256
mitsui toatsu chemicals inc.																
Patents By Year of Grant:	312	58	76	89	81	123	132	99	89	76	69	43	2	2	0	1251
Patents By Year of Application:	436	77	108	109	104	104	95	80	95	36	7	0	0	0	0	1251
AMERICAN HOME PRODUCTS CORPORATION																
Patents By Year of Grant:	461	63	71	61	44	55	63	31	58	95	34	48	46	46	72	1248
Patents By Year of Application:	569	43	62	43	59	57	44	72	95	38	35	39	65	25	2	1248
TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.																
Patents By Year of Grant:	0	0	0	0	3	3	7	10	21	57	101	153	195	285	398	1233
Patents By Year of Application:	0	0	0	5	7	8	11	25	82	180	202	264	351	87	11	1233
OLIN CORPORATION																
Patents By Year of Grant:	730	38	46	42	70	78	58	56	23	29	19	10	10	5	4	1218
Patents By Year of Application:	802	39	59	80	59	56	37	33	23	12	9	5	4	0	0	1218
U.S. PHILIPS CORPORATION																
Patents By Year of Grant:	540	52	59	68	59	39	42	32	39	34	33	56	62	45	58	1218
Patents By Year of Application:	633	64	60	50	44	37	33	36	50	57	64	43	41	5	1	1218
FUJITSU LIMITED																
Patents By Year of Grant:	216	22	34	36	45	54	67	67	83	85	83	92	98	107	87	1176
Patents By Year of Application:	261	38	43	56	71	58	92	96	125	93	101	91	39	12	0	1176

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	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
SUMITOMO ELECTRIC INDUSTRIES CO., LTD.																
Patents By Year of Grant:	207	39	45	52	41	59	112	102	89	78	84	79	86	52	48	1173
Patents By Year of Application:	283	52	49	53	79	131	76	99	136	61	71	46	31	5	1	1173
ETHYL CORPORATION																
Patents By Year of Grant:	520	49	83	105	117	93	84	49	8	11	14	10	8	11	7	1169
Patents By Year of Application:	615	99	116	97	89	68	26	5	17	10	11	9	5	2	0	1169
ASAHI KASEI KOGYO KABUSHIKI KAISHA																
Patents By Year of Grant:	560	46	43	33	31	31	54	49	28	27	24	48	56	62	54	1146
Patents By Year of Application:	643	38	43	30	50	38	26	37	27	41	71	49	37	16	0	1146
STAUFFER CHEMICAL COMPANY																
Patents By Year of Grant:	1033	69	36	0	2	0	0	0	0	0	0	0	0	0	0	1140
Patents By Year of Application:	1127	12	1	0	0	0	0	0	0	0	0	0	0	0	0	1140
SANDOZ LTD.																
Patents By Year of Grant:	614	53	58	34	49	37	45	40	41	83	52	20	10	0	0	1136
Patents By Year of Application:	717	45	41	42	47	36	45	63	76	16	8	0	0	0	0	1136
INTERNATIONAL FLAVORS + FRAGRANCES INC																
Patents By Year of Grant:	840	22	31	36	34	22	20	25	21	17	12	13	3	17	19	1132
Patents By Year of Application:	875	28	30	29	28	13	29	25	15	16	9	8	20	6	1	1132
MERCK PATENT GESELLSCHAFT MIT BESCHRANKTER HAFTUNG																
Patents By Year of Grant:	267	46	51	30	34	50	78	57	65	50	60	93	52	68	72	1073
Patents By Year of Application:	376	36	47	43	64	56	57	67	78	81	48	55	51	12	2	1073
INSTITUT FRANCAIS DU PETROLE																
Patents By Year of Grant:	298	35	24	29	47	32	37	47	45	48	53	82	74	114	107	1072
Patents By Year of Application:	357	29	34	37	38	47	46	54	79	63	104	97	75	12	0	1072
SAMSUNG ELECTRONICS CO., LTD.																
Patents By Year of Grant:	1	2	1	8	18	24	35	42	39	36	75	148	176	211	245	1061
Patents By Year of Application:	3	10	8	23	39	40	39	38	83	172	157	210	192	43	4	1061
G. D. SEARLE & CO.																
Patents By Year of Grant:	267	34	33	34	38	46	92	56	90	63	75	59	61	61	39	1048
Patents By Year of Application:	332	39	38	33	66	87	74	87	118	52	43	42	28	9	0	1048
KAO KABUSHIKI KAISHA (KAO CORPORATION)																
Patents By Year of Grant:	90	42	57	50	58	75	61	65	64	57	87	108	84	68	75	1041
Patents By Year of Application:	182	53	57	54	83	70	56	68	92	100	90	86	31	16	3	1041

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	Pre																
	1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL	
SCHERING AKTIENGESELLSCHAFT																	
Patents By Year of Grant:	431	37	48	70	39	51	37	30	45	30	42	52	43	53	33	1041	
Patents By Year of Application:	532	53	49	55	35	35	44	45	62	35	29	36	22	9	0	1041	
NALCO CHEMICAL COMPANY																	
Patents By Year of Grant:	357	51	53	52	45	61	53	63	66	29	34	31	32	38	37	1002	
Patents By Year of Application:	435	57	48	46	59	56	71	48	47	34	30	35	27	9	0	1002	
FMC CORPORATION																	
Patents By Year of Grant:	490	39	36	40	37	30	38	35	28	39	37	47	36	38	30	1000	
Patents By Year of Application:	559	32	44	28	45	25	34	43	43	43	46	36	15	7	0	1000	
AGENCY OF INDUSTRIAL SCIENCE & TECHNOLOGY																	
Patents By Year of Grant:	288	55	67	63	62	49	48	36	28	39	55	47	39	56	53	985	
Patents By Year of Application:	392	70	54	52	47	42	29	38	56	53	50	45	39	18	0	985	
DEGUSSA AKTIENGESELLSCHAFT																	
Patents By Year of Grant:	316	48	50	48	59	50	57	60	39	48	43	58	47	18	34	975	
Patents By Year of Application:	387	63	45	60	45	67	50	48	47	56	59	21	15	12	0	975	
SCHERING CORP.																	
Patents By Year of Grant:	285	40	50	30	51	32	31	27	48	29	68	75	81	52	70	969	
Patents By Year of Application:	384	35	34	39	29	37	44	54	105	44	62	45	45	10	2	969	
UNITED STATES OF AMERICA, ARMY																	
Patents By Year of Grant:	464	17	42	31	44	37	38	31	30	22	43	39	40	37	47	962	
Patents By Year of Application:	515	27	37	43	31	32	30	44	52	46	32	42	25	6	0	962	
UNITED STATES OF AMERICA, DEPARTMENT OF AGRICULTURE																	
Patents By Year of Grant:	381	27	35	35	35	35	44	29	38	30	38	62	58	46	60	953	
Patents By Year of Application:	445	36	41	38	43	31	34	36	55	59	50	39	31	15	0	953	
MASSACHUSETTS INSTITUTE OF TECHNOLOGY																	
Patents By Year of Grant:	305	39	52	46	50	47	53	36	28	51	41	43	56	46	58	951	
Patents By Year of Application:	416	47	56	39	37	42	47	60	50	30	48	44	32	3	0	951	
AGFA-GEVAERT N.V.																	
Patents By Year of Grant:	189	12	28	12	25	22	37	43	65	59	79	67	77	126	102	943	
Patents By Year of Application:	218	21	14	28	35	31	47	72	78	102	78	111	83	25	0	943	
UNITED TECHNOLOGIES CORPORATION																	
Patents By Year of Grant:	429	36	50	37	29	44	41	61	35	38	33	23	32	22	23	933	
Patents By Year of Application:	525	40	32	34	46	50	39	30	42	25	32	24	13	1	0	933	

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	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
BASF CORP.																
Patents By Year of Grant:	56	37	47	34	41	49	81	58	66	86	77	90	79	75	55	931
Patents By Year of Application:	132	38	38	41	68	73	59	67	136	84	96	58	32	9	0	931
BOEHRINGER MANNHEIM G.M.B.H.																
Patents By Year of Grant:	280	36	62	50	53	52	47	56	55	48	59	69	38	12	5	922
Patents By Year of Application:	391	61	54	44	53	41	52	63	66	54	32	8	2	1	0	922
B. F. GOODRICH CO.																
Patents By Year of Grant:	511	46	48	50	55	48	47	28	11	13	10	13	15	12	14	921
Patents By Year of Application:	590	52	75	37	35	36	18	13	17	10	18	9	10	1	0	921
STANDARD OIL COMPANY																
Patents By Year of Grant:	590	60	58	42	28	35	19	11	9	7	15	10	11	11	8	914
Patents By Year of Application:	696	46	30	35	26	10	3	10	16	10	9	12	7	4	0	914
ATLANTIC RICHFIELD COMPANY																
Patents By Year of Grant:	727	37	21	14	8	10	17	23	9	5	8	6	13	10	5	913
Patents By Year of Application:	781	17	9	8	10	24	16	7	6	10	7	9	8	1	0	913
RICOH COMPANY, LTD.																
Patents By Year of Grant:	239	30	41	40	41	50	49	44	40	41	48	52	63	66	53	897
Patents By Year of Application:	300	42	42	53	43	49	35	53	54	48	67	54	42	15	0	897
TORAY INDUSTRIES INC.																
Patents By Year of Grant:	322	33	30	33	30	33	39	36	35	29	56	40	52	58	60	886
Patents By Year of Application:	380	38	29	35	30	36	47	44	40	58	56	54	32	7	0	886
OWENS-CORNING FIBERGLAS CORPORATION																
Patents By Year of Grant:	526	27	23	13	12	13	8	19	10	28	49	48	45	32	31	884
Patents By Year of Application:	567	24	9	15	9	10	15	33	46	58	50	25	19	3	1	884
SMITHKLINE BEECHAM CORPORATION																
Patents By Year of Grant:	0	0	0	12	15	10	16	7	21	20	66	94	176	192	242	871
Patents By Year of Application:	0	9	15	16	7	14	19	39	85	64	227	189	155	30	2	871
MITSUI PETROCHEMICAL INDUSTRIES LTD.																
Patents By Year of Grant:	207	23	43	77	90	63	73	66	51	39	70	49	10	8	1	870
Patents By Year of Application:	263	95	82	61	56	59	54	56	76	44	23	0	1	0	0	870
UNIVERSITY OF TEXAS																
Patents By Year of Grant:	57	12	26	38	62	56	66	71	62	60	61	71	64	65	69	840
Patents By Year of Application:	133	39	52	57	58	74	78	81	95	41	57	41	26	7	1	840

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	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
MILES INC.																
Patents By Year of Grant:	367	46	44	35	30	85	101	74	49	1	5	0	0	0	0	837
Patents By Year of Application:	473	28	37	52	91	74	53	24	5	0	0	0	0	0	0	837
UNION OIL COMPANY OF CALIFORNIA																
Patents By Year of Grant:	383	60	65	52	77	66	36	32	18	7	12	10	5	9	1	833
Patents By Year of Application:	506	65	66	53	47	30	23	13	11	3	8	7	1	0	0	833
TEIJIN LIMITED																
Patents By Year of Grant:	325	36	32	28	25	27	51	37	40	32	43	34	35	38	48	831
Patents By Year of Application:	400	23	21	36	41	30	32	52	50	32	30	38	36	10	0	831
NIPPON STEEL CORP.																
Patents By Year of Grant:	282	32	58	41	42	32	46	34	36	41	52	44	32	28	27	827
Patents By Year of Application:	351	42	33	57	38	41	38	39	57	44	40	18	21	7	1	827
SHARP KABUSHIKI KAISHA (SHARP CORPORATION)																
Patents By Year of Grant:	78	27	29	25	37	59	53	65	54	43	62	65	74	81	67	819
Patents By Year of Application:	135	20	36	38	65	72	60	46	72	70	71	68	41	25	0	819
HERCULES INCORPORATED																
Patents By Year of Grant:	378	26	40	30	51	33	25	29	24	31	33	29	22	31	36	818
Patents By Year of Application:	436	43	41	40	34	23	21	38	34	31	29	29	15	4	0	818
FORD MOTOR COMPANY																
Patents By Year of Grant:	440	27	27	17	22	40	49	40	28	35	27	18	19	14	5	808
Patents By Year of Application:	493	15	19	40	46	38	33	35	26	19	23	15	6	0	0	808
MITSUBISHI GAS-CHEMICAL COMPANY, INC.																
Patents By Year of Grant:	244	17	23	43	47	42	43	47	45	33	33	43	60	37	47	804
Patents By Year of Application:	285	30	44	49	41	41	42	39	39	52	45	42	40	15	0	804
ROUSSEL-UCLAF																
Patents By Year of Grant:	383	24	42	32	40	42	40	37	57	34	26	39	8	0	0	804
Patents By Year of Application:	448	40	32	44	27	47	44	41	44	28	9	0	0	0	0	804
NOVO NORDISK A/S																
Patents By Year of Grant:	0	0	0	1	21	25	37	45	28	55	95	122	160	132	81	802
Patents By Year of Application:	6	4	16	31	32	40	49	70	145	71	143	123	58	14	0	802
GENERAL MOTORS CORPORATION																
Patents By Year of Grant:	338	29	44	41	28	49	49	40	35	34	31	24	20	24	13	799
Patents By Year of Application:	389	50	24	37	50	56	38	34	32	24	27	24	12	2	0	799

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	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
APPLIED MATERIALS, INC.																
Patents By Year of Grant:	10	4	3	9	7	21	27	36	36	43	40	76	108	177	201	798
Patents By Year of Application:	14	5	11	17	33	30	47	50	73	117	160	127	85	29	0	798
FUJISAWA PHARMACEUTICAL CO., LTD.																
Patents By Year of Grant:	324	34	36	51	35	36	47	37	18	31	35	24	21	25	40	794
Patents By Year of Application:	398	36	38	49	32	37	26	33	34	23	23	25	30	10	0	794
RHONE-POULENC CHIMIE																
Patents By Year of Grant:	30	22	48	73	121	75	53	59	46	43	70	79	48	16	11	794
Patents By Year of Application:	88	82	106	94	66	46	45	57	83	64	47	10	5	1	0	794
NGK INSULATORS LTD.																
Patents By Year of Grant:	139	33	65	36	39	46	68	36	32	39	40	46	63	60	49	791
Patents By Year of Application:	215	45	43	48	50	59	30	36	48	54	68	58	29	8	0	791
BEECHAM GROUP P.L.C.																
Patents By Year of Grant:	523	28	49	40	37	34	29	15	8	4	5	6	1	3	4	786
Patents By Year of Application:	607	32	44	37	19	14	13	5	10	1	1	3	0	0	0	786
CHISSO CORPORATION																
Patents By Year of Grant:	179	39	51	43	52	57	39	32	33	21	35	48	41	37	76	783
Patents By Year of Application:	252	66	45	55	25	37	28	30	39	46	48	47	52	12	1	783
UNITED STATES OF AMERICA, NATIONAL AERONAUTICS AND SPACE ADMINISTRATION																
Patents By Year of Grant:	316	17	31	29	36	45	45	38	34	31	28	30	32	37	22	771
Patents By Year of Application:	356	35	32	40	39	48	34	42	34	30	30	26	16	9	0	771
ZENECA LIMITED																
Patents By Year of Grant:	0	0	0	0	0	0	0	38	81	108	93	137	134	98	79	768
Patents By Year of Application:	1	0	1	0	6	15	92	113	134	121	113	95	59	18	0	768
BECTON, DICKINSON AND COMPANY																
Patents By Year of Grant:	150	16	51	34	29	29	20	43	35	60	85	77	52	38	29	748
Patents By Year of Application:	216	40	21	27	30	28	58	64	74	63	71	24	23	9	0	748
POLAROID CORPORATION																
Patents By Year of Grant:	477	19	24	11	10	14	21	24	31	32	30	20	17	7	8	745
Patents By Year of Application:	520	16	8	9	26	14	29	32	32	24	23	5	2	5	0	745
UNITED STATES OF AMERICA, AIR FORCE																
Patents By Year of Grant:	344	28	38	31	33	31	28	27	26	32	23	16	28	27	26	738
Patents By Year of Application:	397	41	27	37	29	26	24	28	31	23	21	28	18	6	2	738

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	Pre																
	1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL	
SMITHKLINE BECKMAN CORPORATION																	
Patents By Year of Grant:	481	44	46	16	7	20	15	19	24	18	16	19	11	0	0	736	
Patents By Year of Application:	562	22	17	11	20	27	14	16	26	12	7	2	0	0	0	736	
BRIDGESTONE CORPORATION																	
Patents By Year of Grant:	172	26	31	31	26	36	43	34	42	44	32	40	48	46	79	730	
Patents By Year of Application:	217	36	30	33	47	37	34	40	47	51	54	64	32	6	2	730	
ALUMINUM COMPANY OF AMERICA																	
Patents By Year of Grant:	302	51	46	41	48	38	42	28	21	24	19	26	27	12	2	727	
Patents By Year of Application:	398	51	40	44	35	28	19	26	31	20	23	10	2	0	0	727	
HENKEL CORPORATION																	
Patents By Year of Grant:	127	5	12	19	15	24	24	36	50	81	57	68	88	58	61	725	
Patents By Year of Application:	143	15	17	25	23	35	55	66	82	93	74	52	43	2	0	725	
HYUNDAI ELECTRONICS INDUSTRIES CO., LTD.																	
Patents By Year of Grant:	0	0	0	1	8	6	10	29	54	69	65	89	89	93	205	718	
Patents By Year of Application:	0	0	5	7	10	12	45	67	79	120	109	80	136	44	4	718	
NESTEC, S.A.																	
Patents By Year of Grant:	51	28	34	28	32	44	45	31	44	40	33	60	99	63	75	707	
Patents By Year of Application:	113	32	27	30	45	54	32	47	53	67	76	63	48	20	0	707	
AJINOMOTO COMPANY INCORPORATED																	
Patents By Year of Grant:	189	24	27	20	30	25	32	39	34	42	36	52	51	46	59	706	
Patents By Year of Application:	239	25	29	27	29	36	35	43	47	52	57	32	35	19	1	706	
ASAHI GLASS COMPANY, LTD.																	
Patents By Year of Grant:	213	21	19	23	38	32	34	35	27	36	35	49	51	34	58	705	
Patents By Year of Application:	247	28	29	39	26	37	32	32	36	50	62	40	37	9	1	705	
SYNTEX (U.S.A) INC.																	
Patents By Year of Grant:	322	40	44	34	29	36	38	14	33	23	13	24	20	17	5	692	
Patents By Year of Application:	428	36	23	32	26	20	16	34	33	8	18	7	8	2	1	692	
RCA CORPORATION																	
Patents By Year of Grant:	675	15	1	0	0	0	0	0	0	0	0	0	0	0	0	691	
Patents By Year of Application:	691	0	0	0	0	0	0	0	0	0	0	0	0	0	0	691	
KANEGAFUCHI CHEMICAL INDUSTRY CO., LTD.																	
Patents By Year of Grant:	247	45	46	45	51	34	35	44	25	25	29	31	18	12	3	690	
Patents By Year of Application:	334	42	53	38	37	37	32	32	22	37	17	8	1	0	0	690	

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	Pre																
	1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL	
GENENTECH, INC.																	
Patents By Year of Grant:	38	12	15	19	21	35	40	28	28	43	82	133	53	77	64	688	
Patents By Year of Application:	86	17	19	34	29	28	45	80	194	30	59	45	17	5	0	688	
COMMISSARIAT A L'ENERGIE ATOMIQUE																	
Patents By Year of Grant:	351	29	31	28	18	18	18	17	8	23	22	30	35	23	31	682	
Patents By Year of Application:	405	39	6	20	17	19	13	17	25	39	39	14	23	6	0	682	
LUBRIZOL CORPORATION																	
Patents By Year of Grant:	214	35	26	29	32	24	31	49	28	33	30	46	30	30	40	677	
Patents By Year of Application:	274	25	29	38	29	33	32	45	29	39	41	36	18	6	3	677	
AKZO N.V.																	
Patents By Year of Grant:	232	36	53	41	67	71	83	44	34	9	1	0	0	1	1	673	
Patents By Year of Application:	322	45	62	65	64	56	41	15	2	0	0	1	0	0	0	673	
DAIKIN INDUSTRIES LIMITED																	
Patents By Year of Grant:	200	14	25	38	33	44	40	24	19	21	31	48	33	37	57	664	
Patents By Year of Application:	239	24	48	40	33	28	22	29	43	32	40	46	31	8	1	664	
EASTMAN CHEMICAL CO., LTD.																	
Patents By Year of Grant:	0	0	0	0	0	1	1	61	88	66	75	57	101	110	103	663	
Patents By Year of Application:	1	0	0	1	6	17	76	82	111	62	88	112	78	29	0	663	
3M INNOVATIVE PROPERTIES COMPANY																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	102	276	283	661	
Patents By Year of Application:	1	0	0	1	2	7	5	12	13	43	158	207	165	44	3	661	
WACKER-CHEMIE GMBH																	
Patents By Year of Grant:	235	17	29	20	25	16	25	25	29	23	36	30	40	40	64	654	
Patents By Year of Application:	262	37	20	18	13	23	36	38	27	33	34	55	38	19	1	654	
WISCONSIN ALUMNI RESEARCH FOUNDATION																	
Patents By Year of Grant:	132	17	19	12	25	26	34	29	32	49	43	65	71	45	53	652	
Patents By Year of Application:	175	11	20	25	29	28	36	45	72	49	63	49	39	11	0	652	
KUREHA CHEMICAL INDUSTRY CO., LTD.																	
Patents By Year of Grant:	395	50	48	49	29	12	4	7	14	14	14	5	2	3	4	650	
Patents By Year of Application:	487	45	28	19	6	6	11	15	19	4	3	2	3	2	0	650	
BAYER CORPORATION																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	25	81	82	129	115	116	90	638	
Patents By Year of Application:	1	0	0	1	4	3	21	68	130	104	119	113	65	9	0	638	

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	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
KURARAY CO., LTD.																
Patents By Year of Grant:	209	23	36	30	39	34	24	45	25	17	21	38	31	30	33	635
Patents By Year of Application:	264	35	33	44	18	32	26	25	24	31	39	26	25	13	0	635
HUGHES AIRCRAFT COMPANY																
Patents By Year of Grant:	235	26	37	32	38	31	39	74	48	33	25	11	0	0	0	629
Patents By Year of Application:	290	44	28	36	31	55	56	47	35	6	1	0	0	0	0	629
CIBA SPECIALTY CHEMICALS CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	21	162	180	152	113	628
Patents By Year of Application:	0	0	0	0	2	2	8	4	35	117	181	163	77	38	1	628
KIMBERLY-CLARK CORPORATION																
Patents By Year of Grant:	122	42	56	43	21	33	31	36	42	90	68	14	6	7	6	617
Patents By Year of Application:	208	46	30	36	30	34	40	71	89	25	3	1	4	0	0	617
MITSUBISHI RAYON CO., LTD.																
Patents By Year of Grant:	194	40	38	39	50	59	42	37	18	20	8	6	22	19	24	616
Patents By Year of Application:	271	31	59	50	42	39	22	17	15	6	27	12	16	9	0	616
UBE INDUSTRIES LTD.																
Patents By Year of Grant:	224	29	28	37	36	40	37	25	23	16	22	25	29	21	21	613
Patents By Year of Application:	278	32	37	43	33	27	16	25	23	26	29	21	14	9	0	613
GTE PRODUCTS CORPORATION																
Patents By Year of Grant:	341	60	49	40	52	34	22	8	3	1	0	0	1	0	0	611
Patents By Year of Application:	411	60	49	44	30	15	2	0	0	0	0	0	0	0	0	611
NIPPON PAINT CO., LTD.																
Patents By Year of Grant:	111	22	37	36	37	32	60	54	55	42	33	33	27	17	15	611
Patents By Year of Application:	171	27	41	43	36	57	52	44	46	38	28	12	13	3	0	611
KAWASAKI STEEL CORPORATION																
Patents By Year of Grant:	137	16	29	30	33	30	34	48	34	32	33	34	36	38	43	607
Patents By Year of Application:	177	25	33	29	38	42	45	32	37	37	37	37	29	8	1	607
UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY CORPORATION																
Patents By Year of Grant:	0	0	0	0	50	94	91	55	38	36	28	60	52	45	58	607
Patents By Year of Application:	7	13	44	81	66	70	43	41	46	50	57	37	39	13	0	607
INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE, TAIWAN																
Patents By Year of Grant:	10	3	8	9	24	23	39	57	54	39	63	62	72	61	80	604
Patents By Year of Application:	17	12	14	26	33	42	61	45	71	61	75	67	64	16	0	604

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	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
BAXTER INTERNATIONAL INC.																
Patents By Year of Grant:	205	30	26	21	16	17	23	21	12	26	34	49	43	33	44	600
Patents By Year of Application:	261	19	24	11	19	24	28	33	52	37	45	28	15	3	1	600
SEMICONDUCTOR ENERGY LABORATORY CO., LTD.																
Patents By Year of Grant:	41	16	25	19	27	23	37	24	21	35	45	59	86	60	77	595
Patents By Year of Application:	73	22	31	35	29	25	29	52	77	72	76	45	22	7	0	595
NIPPON OIL COMPANY LTD.																
Patents By Year of Grant:	237	25	17	27	25	30	25	35	38	34	28	34	19	13	1	588
Patents By Year of Application:	270	27	37	29	28	25	34	36	44	27	22	9	0	0	0	588
AKZO NOBEL NV																
Patents By Year of Grant:	0	0	0	0	0	0	0	18	53	54	80	98	108	89	84	584
Patents By Year of Application:	0	0	2	2	4	16	38	80	101	72	103	86	60	19	1	584
FUJI XEROX CO., LTD.																
Patents By Year of Grant:	40	9	16	27	31	35	30	46	69	39	57	45	52	47	40	583
Patents By Year of Application:	68	27	30	31	33	44	61	44	60	53	62	34	25	11	0	583
PIONEER HI-BRED INTERNATIONAL, INC.																
Patents By Year of Grant:	1	3	7	1	4	13	5	20	22	52	26	107	92	110	111	574
Patents By Year of Application:	6	10	17	6	6	17	25	29	79	62	75	111	109	22	0	574
DAICEL CHEMICAL INDUSTRIES LTD.																
Patents By Year of Grant:	131	19	21	19	19	29	20	22	48	33	29	48	49	45	40	572
Patents By Year of Application:	172	17	18	22	23	26	31	46	47	36	49	43	30	12	0	572
IDEMITSU KOSAN COMPANY LIMITED																
Patents By Year of Grant:	101	13	25	25	28	43	52	51	58	29	22	27	35	35	28	572
Patents By Year of Application:	131	31	31	41	42	49	57	37	36	26	40	25	20	6	0	572
HEWLETT-PACKARD COMPANY																
Patents By Year of Grant:	60	13	21	17	37	60	51	44	27	37	38	42	47	44	33	571
Patents By Year of Application:	91	22	32	46	56	36	36	38	42	45	54	39	28	5	1	571
TOYOTA JIDOSHA K.K.																
Patents By Year of Grant:	214	21	24	20	16	15	15	19	24	24	14	44	46	45	28	569
Patents By Year of Application:	253	21	17	17	13	18	25	21	31	50	50	31	21	1	0	569
INCYTE PHARMACEUTICALS, INC.																
Patents By Year of Grant:	0	0	0	0	0	4	5	4	3	5	18	107	245	146	29	566
Patents By Year of Application:	1	0	0	4	4	6	0	11	22	87	229	155	46	1	0	566

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	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
BURROUGHS WELLCOME CO.																
Patents By Year of Grant:	230	31	45	32	32	36	16	13	25	9	3	0	1	0	0	473
Patents By Year of Application:	307	34	37	19	25	17	19	13	2	0	0	0	0	0	0	473
CORNELL RESEARCH FOUNDATION INC.																
Patents By Year of Grant:	78	9	12	18	18	30	21	23	26	31	37	45	42	38	44	472
Patents By Year of Application:	101	22	17	18	26	23	35	41	55	38	43	35	14	4	0	472
MORTON THIOKOL, INC.																
Patents By Year of Grant:	289	38	24	21	11	7	10	11	21	20	7	11	1	1	0	472
Patents By Year of Application:	346	20	18	13	6	9	24	22	8	5	0	1	0	0	0	472
ROCKWELL INTERNATIONAL CORPORATION																
Patents By Year of Grant:	291	24	13	13	24	13	17	21	23	14	13	4	1	0	0	471
Patents By Year of Application:	325	18	20	19	19	14	19	16	18	2	0	1	0	0	0	471
EISAI CO., LTD.																
Patents By Year of Grant:	153	18	21	16	26	19	17	24	23	30	36	28	17	11	25	464
Patents By Year of Application:	194	16	25	23	17	21	19	26	56	17	19	12	14	5	0	464
HITACHI CHEMICAL COMPANY, LTD.																
Patents By Year of Grant:	137	12	14	18	27	22	30	16	26	20	25	21	37	21	31	457
Patents By Year of Application:	162	22	24	18	28	21	25	27	27	25	31	26	15	5	1	457
ARCO CHEMICAL TECHNOLOGY, L.P.																
Patents By Year of Grant:	0	0	0	0	0	37	50	41	45	55	67	59	50	34	18	456
Patents By Year of Application:	0	1	1	15	38	45	46	50	74	67	55	38	15	9	2	456
SANYO ELECTRIC CO., LTD.																
Patents By Year of Grant:	58	18	18	12	19	16	28	26	30	23	38	22	39	47	61	455
Patents By Year of Application:	84	17	12	24	20	29	35	28	32	36	40	46	44	7	1	455
WESTVACO CORPORATION																
Patents By Year of Grant:	139	22	22	18	28	31	24	17	20	23	22	25	21	27	15	454
Patents By Year of Application:	167	23	34	17	26	30	18	18	28	28	24	19	16	6	0	454
SANKYO COMPANY LIMITED																
Patents By Year of Grant:	168	16	10	15	20	14	17	20	34	23	38	26	24	17	9	451
Patents By Year of Application:	200	14	14	19	9	23	29	33	44	17	19	17	10	3	0	451
MERRELL DOW PHARMACEUTICALS																
Patents By Year of Grant:	73	37	37	46	56	52	48	30	49	22	0	0	0	0	0	450
Patents By Year of Application:	129	43	44	53	52	50	35	33	11	0	0	0	0	0	0	450

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	Pre	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
NATIONAL STARCH AND CHEMICAL INVESTMENT HOLDING CORPORATION																
Patents By Year of Grant:	0	0	0	26	39	25	31	32	38	41	40	41	52	33	52	450
Patents By Year of Application:	5	14	46	26	18	30	32	48	51	43	48	51	32	6	0	450
BP CHEMICALS LIMITED																
Patents By Year of Grant:	96	24	28	27	26	32	22	18	20	22	24	31	28	23	27	448
Patents By Year of Application:	137	34	25	31	27	11	18	25	39	28	30	19	21	3	0	448
GENERAL FOODS CORPORATION																
Patents By Year of Grant:	379	26	28	6	0	0	0	0	0	0	0	0	0	0	0	439
Patents By Year of Application:	421	17	1	0	0	0	0	0	0	0	0	0	0	0	0	439
HONDA GIKEN KOGYO KABUSHIKI KAISHA (HONDA MOTOR CO., LTD.)																
Patents By Year of Grant:	74	19	17	22	14	10	19	22	26	27	24	34	35	43	49	435
Patents By Year of Application:	104	23	24	6	17	19	25	29	37	36	40	32	31	12	0	435
JOHNS HOPKINS UNIVERSITY																
Patents By Year of Grant:	37	5	6	9	10	8	23	16	18	19	33	64	73	56	56	433
Patents By Year of Application:	53	13	12	9	15	15	24	39	78	44	42	60	27	2	0	433
NATIONAL RESEARCH DEVELOPMENT CORPORATION																
Patents By Year of Grant:	278	17	34	23	29	29	14	2	1	0	1	1	1	1	2	433
Patents By Year of Application:	328	31	29	24	13	2	2	0	2	0	0	2	0	0	0	433
JANSSEN PHARMACEUTICA N.V.																
Patents By Year of Grant:	121	13	20	20	24	14	20	10	14	30	42	25	21	29	28	431
Patents By Year of Application:	150	15	25	17	18	12	14	18	57	21	29	32	15	8	0	431
GLAXO GROUP LIMITED																
Patents By Year of Grant:	116	11	39	30	45	21	28	20	13	11	26	14	20	14	21	429
Patents By Year of Application:	169	28	40	26	22	24	13	15	35	16	18	9	8	6	0	429
SANOFI, S.A.																
Patents By Year of Grant:	94	18	21	30	29	25	22	7	22	27	47	42	32	10	2	428
Patents By Year of Application:	144	19	30	27	20	9	14	31	57	26	32	17	2	0	0	428
CALIFORNIA INSTITUTE OF TECHNOLOGY																
Patents By Year of Grant:	105	6	16	14	13	15	9	13	8	12	24	57	38	43	54	427
Patents By Year of Application:	129	17	9	10	13	11	17	24	42	41	37	40	30	7	0	427
CHIRON CORPORATION																
Patents By Year of Grant:	6	6	5	2	5	16	14	9	12	20	70	80	63	63	54	425
Patents By Year of Application:	29	5	9	15	12	6	23	52	178	21	33	20	17	5	0	425

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	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
ALLERGAN, INC.																
Patents By Year of Grant:	0	4	4	9	28	31	38	53	46	49	57	55	21	12	7	414
Patents By Year of Application:	9	6	22	37	32	57	51	56	47	50	32	10	4	1	0	414
NISSAN CHEMICAL INDUSTRIES, LTD.																
Patents By Year of Grant:	91	15	21	22	25	29	24	21	14	14	15	33	34	31	22	411
Patents By Year of Application:	130	19	24	27	25	25	14	17	18	21	34	31	17	7	2	411
CIBA-GEIGY AG																
Patents By Year of Grant:	363	15	9	5	4	1	2	1	2	1	4	1	1	0	0	409
Patents By Year of Application:	385	9	0	3	2	0	1	5	3	1	0	0	0	0	0	409
OCCIDENTAL CHEMICAL CORPORATION																
Patents By Year of Grant:	156	20	26	24	28	23	21	17	12	8	6	13	16	23	16	409
Patents By Year of Application:	193	25	33	21	28	13	14	13	6	8	13	21	15	6	0	409
ARMSTRONG WORLD INDUSTRIES, INC.																
Patents By Year of Grant:	242	14	20	14	15	23	14	4	9	11	7	11	7	8	9	408
Patents By Year of Application:	270	22	19	16	15	7	7	12	11	5	11	6	6	1	0	408
VANGUARD INTERNATIONAL SEMICONDUCTOR CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	21	50	98	79	86	73	407
Patents By Year of Application:	0	0	0	0	0	0	0	0	30	104	98	79	67	29	0	407
BASF WYANDOTTE CORPORATION																
Patents By Year of Grant:	406	0	0	0	0	0	0	0	0	0	0	0	0	0	0	406
Patents By Year of Application:	406	0	0	0	0	0	0	0	0	0	0	0	0	0	0	406
DOW CORNING TORAY SILICONE COMPANY LIMITED																
Patents By Year of Grant:	0	0	0	4	13	30	30	45	32	38	33	40	63	30	47	405
Patents By Year of Application:	2	2	4	24	24	37	48	34	44	47	46	37	41	11	4	405
MITSUBISHI KASEI CORP.																
Patents By Year of Grant:	0	2	16	65	56	65	63	67	49	14	3	3	1	1	0	405
Patents By Year of Application:	13	45	67	62	52	78	54	25	5	3	1	0	0	0	0	405
STAMICARBON B.V.																
Patents By Year of Grant:	264	20	31	23	22	13	13	9	2	1	0	0	0	0	0	398
Patents By Year of Application:	309	26	24	14	13	8	3	1	0	0	0	0	0	0	0	398
KOBE STEEL LTD.																
Patents By Year of Grant:	130	12	10	16	13	26	8	23	19	22	15	24	25	25	27	395
Patents By Year of Application:	154	12	14	21	17	15	20	25	20	29	28	18	15	7	0	395

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	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
ENGELHARD CORPORATION																
Patents By Year of Grant:	96	22	14	16	20	21	20	17	15	15	13	21	35	39	30	394
Patents By Year of Application:	131	14	15	21	23	19	14	20	20	29	34	27	23	4	0	394
ELF ATOCHEM S.A.																
Patents By Year of Grant:	0	0	0	0	0	3	23	23	36	37	46	61	68	63	32	392
Patents By Year of Application:	0	0	0	2	7	30	40	39	61	57	77	57	18	4	0	392
ICI AMERICAS INC.																
Patents By Year of Grant:	165	17	47	61	51	18	10	10	2	3	1	1	1	0	0	387
Patents By Year of Application:	225	64	39	34	7	8	3	4	1	2	0	0	0	0	0	387
GULF RESEARCH AND DEVELOPMENT COMPANY																
Patents By Year of Grant:	385	0	0	0	0	0	0	0	0	0	0	0	0	0	0	385
Patents By Year of Application:	385	0	0	0	0	0	0	0	0	0	0	0	0	0	0	385
UNIVERSITY OF PENNSYLVANIA																
Patents By Year of Grant:	17	0	3	8	10	19	20	25	20	36	49	60	47	27	44	385
Patents By Year of Application:	23	12	10	12	21	26	31	69	46	38	48	20	23	6	0	385
LG SEMICON CO., LTD.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	17	55	87	105	95	24	383
Patents By Year of Application:	0	0	0	0	0	0	2	5	67	86	119	80	22	2	0	383
THE BRITISH PETROLEUM COMPANY P.L.C.																
Patents By Year of Grant:	224	29	28	21	21	24	17	8	5	2	1	2	1	0	0	383
Patents By Year of Application:	278	25	16	22	21	10	4	3	1	1	1	1	0	0	0	383
OWENS-ILLINOIS INC.																
Patents By Year of Grant:	376	1	0	0	0	0	0	0	1	0	0	0	1	0	0	379
Patents By Year of Application:	377	0	0	0	0	1	0	0	0	0	1	0	0	0	0	379
DAINIPPON INK + CHEMICALS, INC.																
Patents By Year of Grant:	116	13	22	37	23	16	16	22	11	11	11	16	20	24	19	377
Patents By Year of Application:	145	40	23	17	20	20	6	14	14	19	22	13	18	6	0	377
NABISCO, INC.																
Patents By Year of Grant:	136	34	37	31	40	24	14	10	19	16	9	0	3	2	1	376
Patents By Year of Application:	199	28	49	20	19	11	18	14	12	0	2	1	3	0	0	376
PETROLITE CORPORATION																
Patents By Year of Grant:	294	8	9	10	14	14	3	5	9	6	3	1	0	0	0	376
Patents By Year of Application:	307	13	14	11	7	1	11	4	5	3	0	0	0	0	0	376

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	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
ISP INVESTMENTS INC.																
Patents By Year of Grant:	0	0	0	0	13	66	70	50	25	14	32	24	23	23	33	373
Patents By Year of Application:	0	2	9	35	56	68	47	26	24	22	17	37	22	8	0	373
INTEL CORPORATION																
Patents By Year of Grant:	40	11	10	7	5	17	20	14	14	15	19	24	53	60	59	368
Patents By Year of Application:	55	8	7	13	16	23	23	12	27	48	54	36	38	8	0	368
L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE																
Patents By Year of Grant:	59	9	11	9	15	22	22	13	23	21	13	23	45	31	52	368
Patents By Year of Application:	72	14	11	22	21	19	19	22	18	27	37	37	40	9	0	368
IDEMITSU PETROCHEMICAL COMPANY LTD.																
Patents By Year of Grant:	24	10	18	23	31	28	35	32	10	19	14	26	23	31	41	365
Patents By Year of Application:	39	35	30	37	23	24	23	19	18	24	29	24	29	11	0	365
MITSUBISHI JUKOGYO KABUSHIKI KAISHA																
Patents By Year of Grant:	134	17	16	16	11	18	18	18	18	24	27	23	19	5	1	365
Patents By Year of Application:	162	15	24	8	20	20	15	19	32	37	9	3	1	0	0	365
UNIVERSITY OF MINNESOTA, THE REGENTS OF																
Patents By Year of Grant:	57	11	20	18	14	16	16	18	18	23	26	36	32	30	29	364
Patents By Year of Application:	90	15	16	15	19	19	27	21	43	39	24	22	10	3	1	364
CHEMISCHE WERKE HULS, AG																
Patents By Year of Grant:	352	4	1	0	1	0	1	0	0	0	0	0	0	0	0	359
Patents By Year of Application:	357	1	0	1	0	0	0	0	0	0	0	0	0	0	0	359
TOSOH CORPORATION																
Patents By Year of Grant:	0	7	18	31	32	38	43	25	26	19	18	24	30	25	23	359
Patents By Year of Application:	17	31	31	41	39	29	26	26	19	31	34	21	10	4	0	359
NISSAN MOTOR COMPANY, LIMITED																
Patents By Year of Grant:	169	16	9	13	10	18	18	5	15	8	14	14	14	19	14	356
Patents By Year of Application:	193	11	10	16	19	8	14	10	15	18	18	14	6	4	0	356
FUJI ELECTRIC CO., LTD.																
Patents By Year of Grant:	40	7	17	26	17	28	18	18	24	31	25	29	35	24	15	354
Patents By Year of Application:	58	18	34	16	20	18	29	27	33	31	21	30	14	5	0	354
BATTELLE MEMORIAL INSTITUTE																
Patents By Year of Grant:	113	11	20	10	16	22	17	6	15	12	14	22	28	23	23	352
Patents By Year of Application:	141	20	15	16	11	12	12	17	17	23	21	29	18	0	0	352

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	Pre															
	1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
INSTITUT PASTEUR																
Patents By Year of Grant:	41	4	8	6	14	8	12	13	6	14	30	42	51	43	47	339
Patents By Year of Application:	67	7	5	9	19	13	19	38	81	14	25	34	6	2	0	339
PALL CORPORATION																
Patents By Year of Grant:	73	9	20	17	4	18	22	28	36	27	28	17	13	17	10	339
Patents By Year of Application:	102	15	11	10	18	35	32	30	33	19	15	10	5	4	0	339
TOKYO ELECTRON LIMITED																
Patents By Year of Grant:	0	0	1	4	1	7	21	26	20	20	22	30	56	54	76	338
Patents By Year of Application:	1	1	2	4	23	20	31	25	26	29	60	54	46	13	3	338
THE SCRIPPS RESEARCH INSTITUTE																
Patents By Year of Grant:	0	0	0	0	0	9	28	24	36	27	26	56	41	36	54	337
Patents By Year of Application:	2	5	9	12	18	39	28	58	45	31	24	39	18	8	1	337
LSI LOGIC CORPORATION																
Patents By Year of Grant:	2	2	1	0	0	1	7	16	19	32	41	46	55	69	43	334
Patents By Year of Application:	5	0	0	2	7	12	17	35	51	49	62	60	31	3	0	334
MITSUBISHI PAPER MILLS, LTD.																
Patents By Year of Grant:	126	16	19	16	20	21	22	18	12	9	12	12	10	10	9	332
Patents By Year of Application:	156	18	23	19	24	14	13	8	14	10	19	2	10	2	0	332
MITSUI CHEMICALS, INCORPORATED																
Patents By Year of Grant:	0	0	1	0	0	0	0	0	0	0	0	40	97	93	101	332
Patents By Year of Application:	1	0	0	0	0	1	6	7	16	41	103	87	50	19	1	332
TH. GOLDSCHMIDT AG																
Patents By Year of Grant:	116	6	17	14	18	22	15	13	15	16	12	12	17	10	25	328
Patents By Year of Application:	133	17	18	11	23	14	12	18	16	18	13	13	18	4	0	328
FIRESTONE TIRE & RUBBER CO.																
Patents By Year of Grant:	288	21	17	0	0	0	0	0	0	0	0	0	0	0	0	326
Patents By Year of Application:	322	4	0	0	0	0	0	0	0	0	0	0	0	0	0	326
NIPPONDENSO CO., LTD.																
Patents By Year of Grant:	70	14	13	11	9	7	14	13	29	35	34	35	28	7	6	325
Patents By Year of Application:	97	10	8	8	15	16	26	30	44	51	13	6	1	0	0	325
AUSIMONT S.P.A.																
Patents By Year of Grant:	6	22	33	16	11	12	26	21	23	25	29	19	27	22	32	324
Patents By Year of Application:	55	21	8	12	19	24	22	22	33	29	32	23	18	6	0	324

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	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
SMITHKLINE BEECHAM PLC																
Patents By Year of Grant:	0	0	0	0	0	1	0	0	5	17	33	47	66	71	67	307
Patents By Year of Application:	0	0	0	1	1	0	5	19	58	41	62	57	54	9	0	307
CENTRAL GLASS COMPANY, LIMITED																
Patents By Year of Grant:	95	5	23	20	27	13	10	15	11	9	13	16	11	13	25	306
Patents By Year of Application:	118	18	23	17	10	17	14	9	16	23	11	8	13	8	1	306
NIPPON KAYAKU KABUSHIKI KAISHA																
Patents By Year of Grant:	117	13	15	23	22	11	16	12	13	10	9	11	8	12	14	306
Patents By Year of Application:	152	9	22	19	17	9	11	10	11	11	11	9	12	3	0	306
FRAMATOME ET CIE																
Patents By Year of Grant:	75	26	18	15	27	33	29	14	18	10	9	20	5	2	2	303
Patents By Year of Application:	121	15	37	20	25	16	16	12	10	16	10	4	1	0	0	303
MILLIKEN RESEARCH CORPORATION																
Patents By Year of Grant:	134	7	14	12	18	15	18	15	12	18	10	18	11	0	0	302
Patents By Year of Application:	146	22	12	19	16	17	9	16	16	11	13	5	0	0	0	302
RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK																
Patents By Year of Grant:	2	1	17	12	12	20	15	26	22	23	27	29	38	29	29	302
Patents By Year of Application:	24	14	13	22	21	19	25	29	33	26	30	27	15	4	0	302
SHIN-ETSU HANDOTAI CO., LTD.																
Patents By Year of Grant:	2	1	6	9	12	15	20	16	19	15	24	37	55	33	37	301
Patents By Year of Application:	7	10	4	18	19	21	14	19	29	44	43	34	33	5	1	301
LONZA LTD.																
Patents By Year of Grant:	82	12	19	19	16	33	37	30	11	10	10	5	7	8	1	300
Patents By Year of Application:	103	20	17	21	35	32	26	16	8	4	8	3	7	0	0	300
NATIONAL SCIENCE COUNCIL																
Patents By Year of Grant:	0	0	3	7	5	4	15	14	25	33	37	42	39	27	47	298
Patents By Year of Application:	1	4	5	7	9	15	23	34	48	36	48	29	30	9	0	298
RICHTER GEDEON VEGYESZETI GYAR RT																
Patents By Year of Grant:	198	17	16	6	9	20	9	6	5	7	0	1	0	4	0	298
Patents By Year of Application:	237	4	4	22	11	6	0	6	3	1	0	2	2	0	0	298
OTSUKA PHARMACEUTICAL CO., LTD.																
Patents By Year of Grant:	84	11	15	9	19	10	15	11	18	21	28	21	12	14	9	297
Patents By Year of Application:	116	11	17	13	13	10	17	24	33	10	15	10	3	4	1	297

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	Pre																
	1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL	
HONEYWELL INC.																	
Patents By Year of Grant:	163	11	16	14	10	7	11	10	5	7	8	5	12	13	4	296	
Patents By Year of Application:	181	21	9	10	11	8	6	12	7	5	11	11	3	1	0	296	
NORTON COMPANY																	
Patents By Year of Grant:	98	10	10	19	24	27	15	15	14	16	9	10	11	10	8	296	
Patents By Year of Application:	119	19	23	25	20	14	12	12	11	12	13	8	5	3	0	296	
COLUMBIA UNIVERSITY																	
Patents By Year of Grant:	19	11	11	8	5	12	11	12	10	17	22	41	42	33	41	295	
Patents By Year of Application:	49	11	9	7	11	11	14	32	34	51	30	22	14	0	0	295	
FIRMENICH SA																	
Patents By Year of Grant:	161	5	7	7	11	16	8	7	9	12	8	10	8	11	13	293	
Patents By Year of Application:	170	7	8	10	14	8	8	12	12	10	9	12	10	3	0	293	
GTE LABORATORIES, INC.																	
Patents By Year of Grant:	178	22	21	20	22	13	9	6	0	0	0	0	0	1	0	292	
Patents By Year of Application:	218	19	21	19	7	6	1	0	0	0	0	0	1	0	0	292	
ROCKEFELLER UNIVERSITY																	
Patents By Year of Grant:	28	11	6	7	11	22	21	13	9	8	20	35	34	42	25	292	
Patents By Year of Application:	49	5	10	19	22	18	8	30	47	21	25	25	10	3	0	292	
YEDA RESEARCH AND DEVELOPMENT CO., LTD.																	
Patents By Year of Grant:	105	5	10	9	9	9	15	7	10	15	11	22	29	18	17	291	
Patents By Year of Application:	134	4	14	10	8	10	15	12	28	14	19	15	3	5	0	291	
MORTON INTERNATIONAL, INC.																	
Patents By Year of Grant:	0	0	0	6	15	20	21	21	24	29	32	35	39	29	19	290	
Patents By Year of Application:	0	2	15	18	21	17	23	26	29	41	42	35	21	0	0	290	
ALCAN INTERNATIONAL LIMITED																	
Patents By Year of Grant:	56	9	21	24	30	41	17	19	17	11	4	6	9	12	11	287	
Patents By Year of Application:	81	25	29	31	24	23	19	12	9	6	9	7	9	3	0	287	
CASSELLA AKTIENGESELLSCHAFT																	
Patents By Year of Grant:	157	11	15	14	14	14	13	14	16	12	5	0	0	0	1	286	
Patents By Year of Application:	178	12	11	19	12	15	17	12	7	3	0	0	0	0	0	286	
CHARTERED SEMICONDUCTOR MANUFACTURING PTE LTD																	
Patents By Year of Grant:	0	0	0	0	0	2	4	4	4	6	29	25	30	71	111	286	
Patents By Year of Application:	0	0	0	0	3	5	3	6	11	43	33	43	94	39	6	286	

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	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
SALK INSTITUTE FOR BIOLOGICAL STUDIES																
Patents By Year of Grant:	71	9	5	5	15	11	13	11	9	18	30	26	21	19	23	286
Patents By Year of Application:	94	9	8	11	14	10	25	26	49	10	10	12	8	0	0	286
NITTO DENKO CORPORATION																
Patents By Year of Grant:	0	0	3	10	7	13	21	23	14	15	27	27	31	44	50	285
Patents By Year of Application:	5	6	10	13	11	23	16	19	30	34	40	35	36	7	0	285
NOVARTIS AG (FORMERLY SANDOZ LTD.)																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	6	18	70	87	104	285
Patents By Year of Application:	0	0	0	1	0	1	1	6	24	11	65	71	85	19	1	285
SAINT-GOBAIN VITRAGE																
Patents By Year of Grant:	64	20	30	22	12	9	3	4	2	11	17	24	26	21	20	285
Patents By Year of Application:	111	20	16	11	4	3	2	14	25	20	29	17	11	2	0	285
NKK CORPORATION																
Patents By Year of Grant:	0	0	4	33	39	35	30	20	28	24	19	15	15	15	7	284
Patents By Year of Application:	0	15	44	42	27	25	29	33	21	13	17	13	3	2	0	284
NATIONAL STARCH AND CHEMICAL CORPORATION																
Patents By Year of Grant:	198	34	38	12	0	0	0	0	0	0	0	0	0	0	0	282
Patents By Year of Application:	254	22	6	0	0	0	0	0	0	0	0	0	0	0	0	282
SRI INTERNATIONAL																
Patents By Year of Grant:	68	11	17	18	13	22	20	13	12	7	12	17	16	18	18	282
Patents By Year of Application:	106	9	20	22	11	15	12	11	18	10	19	10	18	1	0	282
BABCOCK & WILCOX COMPANY																
Patents By Year of Grant:	103	10	10	8	16	16	19	11	20	28	22	7	1	4	6	281
Patents By Year of Application:	119	9	13	18	11	21	14	31	27	8	5	2	2	1	0	281
TERUMO KABUSHIKI KAISHA (TERUMO CORPORATION)																
Patents By Year of Grant:	60	19	17	24	18	42	35	14	5	16	12	3	4	6	6	281
Patents By Year of Application:	94	17	40	31	29	18	10	10	12	4	8	2	6	0	0	281
NATIONAL DISTILLERS AND CHEMICAL CORPORATION																
Patents By Year of Grant:	246	11	14	3	3	1	1	0	0	0	0	0	0	0	0	279
Patents By Year of Application:	269	4	4	2	0	0	0	0	0	0	0	0	0	0	0	279
SUNTORY LTD.																
Patents By Year of Grant:	26	18	19	10	18	21	15	20	16	7	15	19	27	21	25	277
Patents By Year of Application:	65	17	17	13	23	18	17	14	18	21	25	8	17	4	0	277

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	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
WASHINGTON UNIVERSITY																
Patents By Year of Grant:	13	5	8	4	15	14	12	14	14	14	18	34	45	33	34	277
Patents By Year of Application:	29	4	15	11	12	21	25	23	32	38	32	20	8	5	2	277
HITACHI METALS LTD.																
Patents By Year of Grant:	55	10	12	18	20	29	15	19	13	17	7	17	19	11	11	273
Patents By Year of Application:	78	21	13	21	20	23	12	21	9	18	16	12	7	2	0	273
SANDOZ PHARMACEUTICALS CORP.																
Patents By Year of Grant:	233	5	15	9	4	2	0	3	1	1	0	0	0	0	0	273
Patents By Year of Application:	248	11	6	2	1	1	3	1	0	0	0	0	0	0	0	273
TANABE SEIYAKU CO. LTD.																
Patents By Year of Grant:	93	12	15	13	14	7	23	9	14	15	14	26	9	4	5	273
Patents By Year of Application:	113	16	13	15	11	16	21	7	23	21	9	5	2	1	0	273
CHESEBROUGH-POND'S USA CO., DIVISION OF CONOPCO, INC.																
Patents By Year of Grant:	5	4	6	8	16	31	32	16	20	30	24	35	18	19	7	271
Patents By Year of Application:	19	4	18	17	34	22	21	25	27	31	24	20	6	3	0	271
GENCORP INC.																
Patents By Year of Grant:	147	4	9	8	6	9	11	16	13	14	16	11	4	3	0	271
Patents By Year of Application:	157	8	7	7	17	9	15	21	11	11	6	2	0	0	0	271
TEXACO CHEMICAL COMPANY																
Patents By Year of Grant:	0	2	11	26	47	80	65	38	2	0	0	0	0	0	0	271
Patents By Year of Application:	4	25	38	70	57	47	30	0	0	0	0	0	0	0	0	271
UNILEVER PATENT HOLDINGS B.V.																
Patents By Year of Grant:	1	4	12	26	29	22	26	36	23	17	12	19	13	17	14	271
Patents By Year of Application:	21	21	27	25	22	34	32	27	19	11	11	10	6	5	0	271
CALGON CORPORATION																
Patents By Year of Grant:	116	12	10	8	12	13	20	15	12	10	11	9	5	11	6	270
Patents By Year of Application:	136	10	6	17	14	27	8	7	14	12	6	6	4	3	0	270
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIC (CNRS)																
Patents By Year of Grant:	51	17	20	18	16	16	21	9	9	11	12	12	21	17	20	270
Patents By Year of Application:	94	16	12	18	20	7	11	15	22	9	14	15	11	6	0	270
DAI NIPPON PRINTING CO. LTD																
Patents By Year of Grant:	17	0	0	0	1	0	7	8	18	24	31	50	32	40	40	268
Patents By Year of Application:	17	0	1	4	8	12	16	21	35	50	40	32	26	6	0	268

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	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
SUMITOMO METAL INDUSTRIES CO., LTD.																
Patents By Year of Grant:	88	5	11	7	10	11	9	16	14	10	8	15	18	25	21	268
Patents By Year of Application:	102	9	11	9	9	13	13	15	10	15	16	21	19	5	1	268
TEXACO DEVELOPMENT CORPORATION																
Patents By Year of Grant:	265	0	0	0	0	0	0	0	0	2	1	0	0	0	0	268
Patents By Year of Application:	265	0	0	0	0	0	0	1	2	0	0	0	0	0	0	268
CABOT CORPORATION																
Patents By Year of Grant:	79	3	4	4	3	9	15	6	8	8	7	16	37	39	29	267
Patents By Year of Application:	83	6	5	9	10	8	9	10	17	23	48	19	19	1	0	267
ALBEMARLE CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	0	0	17	27	25	35	43	43	39	36	265
Patents By Year of Application:	0	0	1	0	4	8	27	14	39	34	48	47	35	8	0	265
INTERNATIONAL PAPER CO.																
Patents By Year of Grant:	74	5	12	11	7	6	17	12	16	20	15	24	19	13	14	265
Patents By Year of Application:	87	15	6	6	15	17	22	20	23	14	25	10	4	1	0	265
YAMANOUCHI PHARMACEUTICAL CO., LTD.																
Patents By Year of Grant:	99	17	15	18	14	13	10	5	17	13	11	11	4	10	8	265
Patents By Year of Application:	124	15	19	15	8	9	12	17	14	7	9	7	4	5	0	265
ELECTRIC POWER RESEARCH INSTITUTE, INC.																
Patents By Year of Grant:	118	7	12	14	14	12	22	9	11	9	8	7	11	5	5	264
Patents By Year of Application:	134	17	13	13	22	11	7	13	6	8	8	7	5	0	0	264
DIAMOND SHAMROCK CORPORATION																
Patents By Year of Grant:	263	0	0	0	0	0	0	0	0	0	0	0	0	0	0	263
Patents By Year of Application:	263	0	0	0	0	0	0	0	0	0	0	0	0	0	0	263
W. L. GORE & ASSOCIATES, INC.																
Patents By Year of Grant:	18	3	9	10	10	14	16	20	23	28	24	33	32	18	3	261
Patents By Year of Application:	30	10	11	9	12	18	21	35	33	52	17	8	3	2	0	261
PRODUITS CHIMIQUES UGINE KUHLMANN																
Patents By Year of Grant:	252	4	1	1	2	0	0	0	0	0	0	0	0	0	0	260
Patents By Year of Application:	258	1	1	0	0	0	0	0	0	0	0	0	0	0	0	260
MERCK SHARP & DOHME LIMITED																
Patents By Year of Grant:	1	0	1	7	5	5	14	15	14	25	49	28	30	40	25	259
Patents By Year of Application:	3	4	6	6	10	12	20	19	50	25	31	37	24	12	0	259

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	Pre																
	1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL	
SECRETARY OF STATE FOR DEFENCE IN HER BRITANNIC MAJESTY'S GOVERNMENT OF THE UNITED KINGDOM																	
Patents By Year of Grant:	81	9	3	8	14	16	11	14	14	9	13	11	17	14	25	259	
Patents By Year of Application:	101	3	8	18	7	23	16	12	10	11	16	16	12	6	0	259	
TOYODA GOSEI KABUSHIKI KAISHA																	
Patents By Year of Grant:	40	14	13	15	6	12	17	15	21	12	16	25	23	19	11	259	
Patents By Year of Application:	64	9	13	9	23	13	16	21	22	21	26	15	6	1	0	259	
BOC GROUP, INC.																	
Patents By Year of Grant:	17	9	23	15	15	15	21	11	16	24	19	19	22	18	14	258	
Patents By Year of Application:	35	20	16	19	16	14	12	28	27	19	21	16	15	0	0	258	
COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION																	
Patents By Year of Grant:	90	7	4	3	7	3	3	19	13	11	10	22	32	14	20	258	
Patents By Year of Application:	102	4	5	8	6	10	18	14	25	22	26	12	4	2	0	258	
ROHM GMBH																	
Patents By Year of Grant:	144	14	15	15	12	8	11	11	4	6	2	0	4	3	9	258	
Patents By Year of Application:	165	19	14	11	7	10	8	2	5	1	2	7	6	1	0	258	
UNIROYAL CHEMICAL COMPANY, INC.																	
Patents By Year of Grant:	30	21	19	23	16	18	12	12	5	18	16	11	19	14	24	258	
Patents By Year of Application:	58	31	18	20	5	12	9	17	13	17	21	12	20	5	0	258	
JOHN WYETH & BROTHER, LTD.																	
Patents By Year of Grant:	164	17	9	7	11	7	7	5	5	5	10	5	1	3	1	257	
Patents By Year of Application:	188	9	5	11	7	7	4	5	14	4	1	2	0	0	0	257	
AMGEN																	
Patents By Year of Grant:	10	4	2	6	4	12	4	9	11	14	25	36	38	36	45	256	
Patents By Year of Application:	25	6	5	5	3	9	8	38	53	24	31	27	20	2	0	256	
RESEARCH CORPORATION TECHNOLOGIES, INC.																	
Patents By Year of Grant:	1	3	5	2	8	11	23	16	25	12	48	51	21	17	12	255	
Patents By Year of Application:	11	6	8	15	11	29	25	39	69	14	9	14	5	0	0	255	
TOYO SODA MANUFACTURING CO., LTD.																	
Patents By Year of Grant:	199	24	17	8	3	1	3	0	0	0	0	0	0	0	0	255	
Patents By Year of Application:	243	4	4	1	1	2	0	0	0	0	0	0	0	0	0	255	
CHINOIN GYOGYSZER ES VEGYESZETI TERMEKKEK GYARA RT.																	
Patents By Year of Grant:	154	8	16	16	17	9	14	6	10	4	0	0	0	0	0	254	
Patents By Year of Application:	181	16	15	11	10	8	5	7	1	0	0	0	0	0	0	254	

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	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
OLYMPUS OPTICAL CO., LTD.																
Patents By Year of Grant:	140	8	8	10	11	13	14	8	11	6	4	9	3	1	6	252
Patents By Year of Application:	162	5	13	14	5	12	11	7	9	3	5	4	2	0	0	252
RHONE-POULENC RORER, S.A.																
Patents By Year of Grant:	0	0	0	0	0	2	6	14	20	22	59	51	36	22	18	250
Patents By Year of Application:	0	0	1	1	3	14	22	23	68	38	54	16	9	1	0	250
GENETICS INSTITUTE, INC.																
Patents By Year of Grant:	5	6	12	8	13	9	12	13	15	14	27	39	33	19	24	249
Patents By Year of Application:	31	9	12	11	14	12	17	20	31	36	34	15	6	1	0	249
MITA INDUSTRIAL COMPANY LTD.																
Patents By Year of Grant:	91	1	6	9	13	18	33	20	6	11	10	15	8	7	1	249
Patents By Year of Application:	96	7	15	28	21	20	10	8	17	8	7	8	3	1	0	249
S. C. JOHNSON + SON, INC.																
Patents By Year of Grant:	72	11	26	15	8	13	6	6	5	8	12	18	29	11	9	249
Patents By Year of Application:	99	15	14	14	7	7	5	6	16	22	28	10	6	0	0	249
AKTIEBOLAGET ASTRA																
Patents By Year of Grant:	1	0	0	0	1	0	3	4	14	14	41	53	48	46	23	248
Patents By Year of Application:	1	0	1	3	7	6	14	32	78	35	32	26	12	1	0	248
MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN E.V																
Patents By Year of Grant:	89	10	7	8	9	4	6	8	10	8	11	18	30	17	13	248
Patents By Year of Application:	109	13	5	2	9	5	13	11	29	24	14	10	2	2	0	248
HOOKER CHEMICALS & PLASTICS CORP.																
Patents By Year of Grant:	245	0	0	0	0	0	0	0	0	0	0	0	0	0	0	245
Patents By Year of Application:	245	0	0	0	0	0	0	0	0	0	0	0	0	0	0	245
SHISEIDO CO., LTD.																
Patents By Year of Grant:	25	3	8	2	8	17	15	17	11	9	20	33	26	27	24	245
Patents By Year of Application:	36	8	10	17	13	13	18	12	16	27	22	34	15	4	0	245
AVERY DENNISON CORPORATION																
Patents By Year of Grant:	0	0	0	0	1	15	20	13	7	27	35	34	32	35	25	244
Patents By Year of Application:	1	0	7	13	13	19	12	24	51	31	38	28	5	2	0	244
POLYPLASTICS CO., LTD.																
Patents By Year of Grant:	21	12	20	25	23	31	38	12	11	12	4	13	11	5	6	244
Patents By Year of Application:	46	26	26	28	33	21	8	14	8	12	13	3	3	3	0	244

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	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
TRW INC.																
Patents By Year of Grant:	115	7	5	2	3	9	7	13	5	7	5	12	12	24	18	244
Patents By Year of Application:	125	5	3	4	10	10	4	10	8	13	15	18	15	4	0	244
DEUTSCHE GOLD- UND SILBER-SCHNEIDANSTALT VORMALS ROESSLER																
Patents By Year of Grant:	242	0	0	0	0	0	0	0	0	0	0	0	0	0	0	242
Patents By Year of Application:	242	0	0	0	0	0	0	0	0	0	0	0	0	0	0	242
KAO SOAP CO., LTD.																
Patents By Year of Grant:	236	3	0	2	0	1	0	0	0	0	0	0	0	0	0	242
Patents By Year of Application:	241	0	0	1	0	0	0	0	0	0	0	0	0	0	0	242
HAYASHIBARA BIOCHEMICAL LABORATORIES INCORPORATED																
Patents By Year of Grant:	40	9	13	5	7	7	5	6	9	21	18	28	39	17	17	241
Patents By Year of Application:	65	6	2	7	5	5	13	19	35	14	44	14	10	2	0	241
THE CLOROX COMPANY																
Patents By Year of Grant:	29	14	18	18	13	18	14	12	12	11	8	24	18	17	14	240
Patents By Year of Application:	60	18	20	12	14	13	9	11	20	22	14	13	12	2	0	240
TOYO BOSEKI KABUSHIKI KAISHA																
Patents By Year of Grant:	1	0	0	13	11	13	14	14	26	20	20	27	27	22	32	240
Patents By Year of Application:	6	10	12	8	17	18	19	25	27	27	29	16	19	7	0	240
MEIJI SEIKA KAISHA LTD.																
Patents By Year of Grant:	93	8	9	11	13	7	10	10	11	3	15	12	10	10	17	239
Patents By Year of Application:	109	10	11	10	13	6	10	9	12	10	9	13	13	4	0	239
NIPPON OIL AND FATS CO., LTD.																
Patents By Year of Grant:	87	8	23	24	22	26	25	10	6	5	1	0	1	0	0	238
Patents By Year of Application:	113	26	25	25	23	12	6	3	4	0	1	0	0	0	0	238
KABUSHIKI KAISHA TOYOTA CHUO KENKYUSHO																
Patents By Year of Grant:	70	11	11	11	6	11	9	3	11	12	15	13	18	18	18	237
Patents By Year of Application:	89	12	8	8	10	5	11	13	14	16	15	20	13	3	0	237
NIPPON TELEGRAPH & TELEPHONE CORP.																
Patents By Year of Grant:	109	11	14	9	9	4	14	13	8	9	10	8	3	12	4	237
Patents By Year of Application:	130	11	10	6	9	9	17	8	10	7	7	8	4	1	0	237
HALLIBURTON CO.																
Patents By Year of Grant:	148	8	5	3	9	11	6	14	12	8	7	4	1	0	0	236
Patents By Year of Application:	159	5	6	5	13	10	13	10	8	4	3	0	0	0	0	236

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	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
ENIRICERCHE S.P.A.																
Patents By Year of Grant:	4	11	20	16	27	28	30	22	16	16	16	12	13	3	1	235
Patents By Year of Application:	33	22	20	30	23	21	25	18	19	12	8	4	0	0	0	235
MEAD CORPORATION																
Patents By Year of Grant:	94	13	24	26	13	16	13	9	5	2	5	3	4	3	4	234
Patents By Year of Application:	125	20	22	14	19	8	2	6	7	1	3	3	4	0	0	234
CYTEC TECHNOLOGY CORP.																
Patents By Year of Grant:	0	0	0	0	0	0	0	21	21	25	35	48	24	35	24	233
Patents By Year of Application:	0	0	0	4	2	9	29	27	53	48	23	22	14	2	0	233
GLAXO WELLCOME INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	1	23	29	39	47	43	51	233
Patents By Year of Application:	1	0	1	0	0	0	11	24	45	28	53	33	22	15	0	233
KOREA INSTITUTE OF SCIENCE AND TECHNOLOGY																
Patents By Year of Grant:	2	0	0	1	8	15	17	7	29	24	19	34	33	23	21	233
Patents By Year of Application:	2	0	3	9	20	12	12	35	27	38	29	21	14	10	1	233
LANXIDE TECHNOLOGY COMPANY, LP																
Patents By Year of Grant:	1	1	31	18	27	31	31	24	20	18	17	9	2	2	1	233
Patents By Year of Application:	30	22	25	26	22	33	24	23	22	2	3	1	0	0	0	233
PPG INDUSTRIES OHIO INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	59	83	91	233
Patents By Year of Application:	0	0	0	1	2	2	3	5	6	10	46	72	73	13	0	233
HOYA CORPORATION																
Patents By Year of Grant:	45	8	12	12	13	19	11	6	7	0	9	13	29	26	22	232
Patents By Year of Application:	55	18	13	18	12	9	6	2	11	14	34	18	19	3	0	232
LUDWIG INSTITUTE FOR CANCER RESEARCH																
Patents By Year of Grant:	0	0	0	0	1	4	6	6	3	20	22	45	35	39	50	231
Patents By Year of Application:	1	1	1	5	6	9	10	30	42	35	29	43	15	4	0	231
OKI ELECTRIC INDUSTRY CO., LTD.																
Patents By Year of Grant:	27	9	21	10	10	19	16	6	4	4	5	2	26	26	46	231
Patents By Year of Application:	43	19	9	14	25	8	4	4	4	9	15	37	22	18	0	231
SOLVAY & CIE (SOCIETE ANONYME)																
Patents By Year of Grant:	132	9	18	12	18	22	10	7	1	0	2	0	0	0	0	231
Patents By Year of Application:	161	11	16	21	12	7	0	1	2	0	0	0	0	0	0	231

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	Pre																
	1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL	
SWISS ALUMINIUM LTD.																	
Patents By Year of Grant:	205	4	11	7	3	1	0	0	0	0	0	0	0	0	0	231	
Patents By Year of Application:	216	9	4	1	1	0	0	0	0	0	0	0	0	0	0	231	
SYNTHELABO S.A.																	
Patents By Year of Grant:	89	5	13	15	12	7	12	8	18	15	11	7	8	9	1	230	
Patents By Year of Application:	105	12	16	7	7	11	13	17	16	6	5	11	4	0	0	230	
WILLIAM WRIGLEY JR. COMPANY																	
Patents By Year of Grant:	13	4	9	15	10	41	19	21	26	22	8	5	13	14	10	230	
Patents By Year of Application:	21	13	14	22	28	27	22	25	18	9	11	7	9	3	1	230	
TOA NENRYO KOGYO KABUSHIKI KAISHA																	
Patents By Year of Grant:	136	16	28	20	14	12	2	0	1	0	0	0	0	0	0	229	
Patents By Year of Application:	174	29	12	6	6	1	1	0	0	0	0	0	0	0	0	229	
KERNFORSCHUNGSANLAGE JULICH GMBH																	
Patents By Year of Grant:	183	16	9	11	5	3	1	0	0	0	0	0	0	0	0	228	
Patents By Year of Application:	212	8	6	1	0	1	0	0	0	0	0	0	0	0	0	228	
VLSI TECHNOLOGY, INC.																	
Patents By Year of Grant:	0	1	1	1	4	4	12	21	31	12	12	29	43	37	20	228	
Patents By Year of Application:	1	1	2	6	11	19	30	16	13	28	57	25	17	2	0	228	
DE SOTO, INC.																	
Patents By Year of Grant:	187	14	15	8	3	0	0	0	0	0	0	0	0	0	0	227	
Patents By Year of Application:	209	11	6	1	0	0	0	0	0	0	0	0	0	0	0	227	
TOKYO OHKA KOGYO CO., LTD.																	
Patents By Year of Grant:	22	9	12	10	6	4	5	8	8	13	13	24	32	27	34	227	
Patents By Year of Application:	38	14	6	5	5	4	10	14	11	28	32	27	24	8	1	227	
UNITIKA LTD.																	
Patents By Year of Grant:	94	7	9	5	10	10	8	13	8	15	11	13	13	8	3	227	
Patents By Year of Application:	111	5	7	10	8	13	10	18	12	9	15	5	4	0	0	227	
UNIVERSITY OF NORTH CAROLINA																	
Patents By Year of Grant:	4	1	0	6	2	9	12	12	16	19	32	24	37	24	29	227	
Patents By Year of Application:	6	8	7	7	10	14	10	23	47	21	35	17	18	4	0	227	
NIPPON PETROCHEMICALS COMPANY, LIMITED																	
Patents By Year of Grant:	55	16	18	11	18	13	21	17	8	7	5	7	7	13	10	226	
Patents By Year of Application:	85	24	15	11	20	14	7	8	5	6	16	8	1	5	1	226	

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	Pre																
	1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL	
MCDONNELL DOUGLAS CORP.																	
Patents By Year of Grant:	99	4	3	3	5	6	6	12	6	5	13	17	23	15	7	224	
Patents By Year of Application:	108	4	5	10	6	8	2	11	12	19	24	11	4	0	0	224	
PRAXAIR TECHNOLOGY, INC.																	
Patents By Year of Grant:	0	0	0	0	0	4	18	16	21	12	21	27	37	31	37	224	
Patents By Year of Application:	1	0	0	2	15	13	18	18	25	22	51	29	24	6	0	224	
THOMSON-CSF																	
Patents By Year of Grant:	129	15	4	8	7	7	12	11	9	3	5	2	8	3	1	224	
Patents By Year of Application:	146	9	9	7	10	11	9	4	5	6	5	3	0	0	0	224	
CHURCH + DWIGHT CO., INC.																	
Patents By Year of Grant:	10	2	2	4	0	6	25	30	39	28	20	19	23	9	6	223	
Patents By Year of Application:	14	4	0	0	18	24	50	27	35	16	19	14	1	1	0	223	
LINDE AKTIENGESELLSCHAFT																	
Patents By Year of Grant:	143	10	10	9	7	7	1	3	8	3	6	6	1	3	6	223	
Patents By Year of Application:	166	6	5	6	5	5	5	2	5	8	1	5	3	1	0	223	
NIPPON SHOKUBAI KAGAKU KOGYO CO. LTD.																	
Patents By Year of Grant:	74	19	19	26	21	28	18	9	2	3	2	1	0	1	0	223	
Patents By Year of Application:	107	25	25	32	17	5	5	3	2	1	1	0	0	0	0	223	
RHONE-POULENC SPECIALITIES CHIMIQUES																	
Patents By Year of Grant:	141	38	21	10	5	2	2	3	0	0	0	1	0	0	0	223	
Patents By Year of Application:	204	6	5	2	3	3	0	0	0	0	0	0	0	0	0	223	
SHIPLEY COMPANY INC.																	
Patents By Year of Grant:	32	5	5	9	12	13	21	13	11	16	15	14	18	22	17	223	
Patents By Year of Application:	44	8	6	16	23	8	23	8	16	18	23	20	3	7	0	223	
J. M. HUBER CORPORATION																	
Patents By Year of Grant:	97	3	11	7	16	16	14	11	2	7	4	9	8	11	5	221	
Patents By Year of Application:	107	2	19	14	19	10	6	4	4	9	10	10	6	1	0	221	
UNITED STATES OF AMERICA, DEPARTMENT OF THE INTERIOR																	
Patents By Year of Grant:	150	3	5	2	8	8	6	7	8	9	4	1	5	3	2	221	
Patents By Year of Application:	157	3	4	10	5	7	7	9	7	2	4	4	2	0	0	221	
mitsubishi Materials Corporation																	
Patents By Year of Grant:	0	0	0	0	6	17	22	35	27	17	23	23	16	14	17	217	
Patents By Year of Application:	0	1	7	10	20	36	26	28	22	21	18	13	9	6	0	217	

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	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
SANDVIK AKTIEBOLAG																
Patents By Year of Grant:	10	2	8	4	3	9	4	12	21	22	16	20	32	17	37	217
Patents By Year of Application:	17	6	5	5	6	15	14	22	26	20	25	23	19	14	0	217
RICHARDSON-VICKS INC.																
Patents By Year of Grant:	142	5	5	9	9	3	2	2	3	5	12	15	3	0	0	215
Patents By Year of Application:	152	6	8	6	3	1	6	3	13	5	11	1	0	0	0	215
BOEHRINGER INGELHEIM, GMBH																
Patents By Year of Grant:	172	0	0	3	4	5	9	3	2	3	6	3	2	1	1	214
Patents By Year of Application:	172	2	4	5	7	4	3	4	8	1	2	0	2	0	0	214
HARRIS CORP.																
Patents By Year of Grant:	67	8	11	15	7	10	11	8	12	11	22	15	15	0	2	214
Patents By Year of Application:	84	9	12	11	9	13	10	13	24	13	10	5	1	0	0	214
HITACHI MAXELL, LTD.																
Patents By Year of Grant:	45	11	19	11	22	12	11	8	6	13	11	9	15	16	5	214
Patents By Year of Application:	76	14	17	18	3	8	12	12	16	10	13	11	3	1	0	214
SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH																
Patents By Year of Grant:	47	8	10	10	8	12	6	8	7	13	22	19	11	15	18	214
Patents By Year of Application:	74	12	7	4	7	8	12	20	36	6	9	8	7	4	0	214
TORAY SILICONE COMPANY, LTD.																
Patents By Year of Grant:	118	25	23	21	21	3	1	0	0	0	0	0	0	0	0	212
Patents By Year of Application:	153	29	28	2	0	0	0	0	0	0	0	0	0	0	0	212
DONALDSON COMPANY, INC.																
Patents By Year of Grant:	70	4	7	4	4	3	5	4	8	5	11	14	26	24	22	211
Patents By Year of Application:	76	8	3	4	2	4	11	6	8	16	26	30	15	0	2	211
MERCK FROSST CANADA, INC.																
Patents By Year of Grant:	20	7	11	12	9	14	20	14	17	17	10	14	12	14	19	210
Patents By Year of Application:	41	11	10	7	17	23	18	14	15	8	15	10	11	10	0	210
YALE UNIVERSITY																
Patents By Year of Grant:	21	5	8	7	2	11	12	8	13	4	15	31	21	28	24	210
Patents By Year of Application:	40	4	10	7	7	12	17	17	25	21	17	17	14	2	0	210
BASF LACKE & FARBEN AG																
Patents By Year of Grant:	0	7	8	10	14	12	20	34	22	21	18	30	8	3	2	209
Patents By Year of Application:	14	7	20	16	16	24	25	31	24	22	7	1	2	0	0	209

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	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH																
Patents By Year of Grant:	4	2	2	6	2	3	7	5	9	6	18	21	33	35	56	209
Patents By Year of Application:	7	2	5	5	3	9	5	14	14	22	31	34	30	27	1	209
PERKIN-ELMER CORPORATION																
Patents By Year of Grant:	52	3	8	8	7	6	1	3	3	10	11	24	28	28	17	209
Patents By Year of Application:	62	8	7	7	4	0	5	13	20	19	24	21	15	3	1	209
UNITED KINGDOM ATOMIC ENERGY AUTHORITY																
Patents By Year of Grant:	151	9	13	7	10	1	7	4	2	5	0	0	0	0	0	209
Patents By Year of Application:	171	8	10	1	8	2	4	1	4	0	0	0	0	0	0	209
ZYMOGENETICS, INC.																
Patents By Year of Grant:	1	3	5	4	4	6	7	6	13	21	21	30	32	22	34	209
Patents By Year of Application:	15	7	6	2	3	8	14	22	50	9	26	20	18	9	0	209
DUKE UNIVERSITY INC.																
Patents By Year of Grant:	15	4	5	3	3	3	7	17	15	22	14	20	25	22	33	208
Patents By Year of Application:	26	7	4	2	4	18	18	29	24	22	13	19	18	4	0	208
KANEBO LTD.																
Patents By Year of Grant:	94	9	10	12	5	13	12	11	7	3	8	4	5	8	7	208
Patents By Year of Application:	108	13	9	13	11	7	12	8	3	7	6	4	6	1	0	208
ONO PHARMACEUTICAL COMPANY, LIMITED																
Patents By Year of Grant:	69	5	9	8	11	11	10	7	14	11	11	10	9	9	14	208
Patents By Year of Application:	80	10	8	10	12	9	11	18	9	13	5	12	6	5	0	208
DU PONT MERCK PHARMACEUTICAL COMPANY																
Patents By Year of Grant:	0	0	0	0	18	29	30	29	25	28	25	18	4	0	0	206
Patents By Year of Application:	3	6	13	29	19	38	26	31	20	18	3	0	0	0	0	206
RHONE-POULENC AGROCHIMIE LIMITED																
Patents By Year of Grant:	70	8	11	7	4	10	6	2	6	9	17	10	23	17	6	206
Patents By Year of Application:	91	7	5	5	6	5	3	16	21	6	19	13	9	0	0	206
GIST-BROCADES N.V.																
Patents By Year of Grant:	80	3	3	11	11	12	12	15	12	8	11	16	8	2	1	205
Patents By Year of Application:	94	8	15	10	14	12	11	18	15	4	4	0	0	0	0	205
NIPPON SHEET GLASS CO., LTD.																
Patents By Year of Grant:	43	11	7	9	10	19	8	19	3	7	4	3	19	21	22	205
Patents By Year of Application:	58	12	4	16	12	22	6	6	5	3	19	19	15	6	2	205

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	Pre																
	1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL	
SNAM PROGETTI S.P.A.																	
Patents By Year of Grant:	156	4	3	4	3	4	4	3	3	2	2	5	4	5	3	205	
Patents By Year of Application:	162	5	3	1	4	5	3	4	4	4	2	6	1	1	0	205	
AGENCE NATIONALE DE VALORISATION DE LA RECHERCHE (ANVAR)																	
Patents By Year of Grant:	196	4	1	2	1	0	0	0	0	0	0	0	0	0	0	204	
Patents By Year of Application:	202	1	0	1	0	0	0	0	0	0	0	0	0	0	0	204	
CHUGAI SEIYAKU KABUSHIKI KAISHA																	
Patents By Year of Grant:	69	6	12	5	9	2	3	2	2	7	8	14	25	18	22	204	
Patents By Year of Application:	85	10	6	4	2	0	4	9	13	17	17	21	12	4	0	204	
UNIVERSITY OF PITTSBURGH																	
Patents By Year of Grant:	19	0	6	6	7	7	6	5	9	8	15	23	35	26	32	204	
Patents By Year of Application:	24	4	6	11	8	4	14	15	25	27	29	26	10	1	0	204	
ENERGY CONVERSION DEVICES, INC.																	
Patents By Year of Grant:	135	14	10	6	2	6	5	3	2	1	3	1	4	5	6	203	
Patents By Year of Application:	156	4	8	7	7	1	1	1	4	4	1	6	3	0	0	203	
SOLVAY (SOCIETE ANONYME)																	
Patents By Year of Grant:	0	0	0	0	0	4	21	27	22	21	22	19	19	21	27	203	
Patents By Year of Application:	0	1	1	3	16	20	31	34	24	25	18	18	10	2	0	203	
UNION CAMP CORPORATION																	
Patents By Year of Grant:	68	12	20	18	18	22	9	8	9	1	4	5	4	3	2	203	
Patents By Year of Application:	92	17	20	23	15	5	6	7	4	6	3	4	1	0	0	203	
NIKON CORPORATION																	
Patents By Year of Grant:	20	2	2	1	1	1	6	2	9	11	20	18	34	34	41	202	
Patents By Year of Application:	24	0	1	3	6	5	4	7	28	23	27	32	34	8	0	202	
SUMITOMO RUBBER INDUSTRIES, LTD.																	
Patents By Year of Grant:	17	2	1	3	10	10	21	19	15	22	11	15	19	16	20	201	
Patents By Year of Application:	20	5	8	13	14	23	18	16	22	13	24	19	5	1	0	201	
NORTH CAROLINA STATE UNIVERSITY																	
Patents By Year of Grant:	11	3	8	11	7	13	20	14	14	15	16	14	17	13	24	200	
Patents By Year of Application:	22	10	7	10	11	15	25	16	18	21	17	14	9	5	0	200	
Other Organizations (47058)																	
Patents By Year of Grant:	72617	7626	9416	9040	9781	10426	10845	10675	11180	12030	14224	17962	19527	19475	21939	256763	
Patents By Year of Application:	88762	9194	10130	10118	10078	11206	12259	14507	19599	16020	18993	17481	14116	4147	153	256763	

