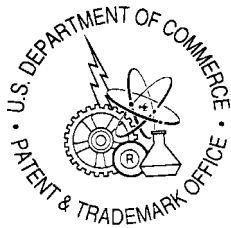


# Historic Data

ALL TECHNOLOGIES REPORT

JANUARY 1963 -- DECEMBER 1984



June 1998  
U.S. PATENT AND TRADEMARK OFFICE  
OFFICE OF ELECTRONIC INFORMATION PRODUCTS -- TAF PROGRAM  
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*A TECHNOLOGY ASSESSMENT AND FORECAST REPORT*

# Historic Data All Technologies Report

## 1/1963 - 12/1984

### Explanation of Data

This Technology Assessment and Forecast (TAF) Program Report profiles patent activity for U.S. utility patents (i.e., "patents for inventions") granted between **1963 and December 1984** in all technology areas. The source of the data used for this report is the TAF data base maintained by the Office of Electronic Information Products.

#### Data Distribution By Date of Grant

##### **Parts A1 and B1**

Part A1 and B1 distribute utility patent data by year of patent grant ("patents granted"). Part A1 distributes grant data by both number (page A1-1) and percent (page A1-2) while Part B1 distributes data by number only. In Part A1, patent grant data, as shown in the "**Pre 71**" column, correspond to all utility patents in the TAF data base which were granted in the period **1963 to 1970**. In Part B1, patent grant data, as shown in the "**Pre 71**" column, correspond to all utility patents in the TAF data base which were granted in the period **1969 to 1970**.

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#### Parts of the Report

**Part A1** presents tables which show, by number and percent, the patent activity in all technologies. Part A1 presents data by year of patent grant ("Patents Granted"). Patent country of origin is determined by the residence of the first-named inventor listed on the patent grant.

Information on **patent ownership** 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 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 Foreign Government patents.

**Part B1** is a ranked listing of national and international organizations (i.e., corporations, universities, government agencies) which have received 500 or more U.S. utility patents during the period **1969 to 1984**. Part B1 distributes counts of patent grants for each organization by year of grant. Information on patent ownership reflects ownership at the time of patent grant (see explanation for Part A1, above). 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.

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**Part A1**

**Patent Grants as Distributed By Year of Patent Grant**

---- Patents Granted By Date Of Patent Grant (Granted: Jan 01, 1963 - Dec 31, 1984) ----

	NUMBER OF PATENTS															
	Pre 1971	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	Total
Total	481060	78317	74810	74143	76278	72000	70226	65269	66102	48854	61819	65771	57888	56860	67200	1416597
U.S. Origin	375070	55976	51518	51501	50646	46715	44280	41488	41254	30078	37354	39223	33896	32871	38367	970237
Foreign Origin	105990	22341	23292	22642	25632	25285	25946	23781	24848	18776	24465	26548	23992	23989	28833	446360
GERMANY	28246	5525	5728	5588	6156	6057	6211	5563	5874	4545	5782	6304	5467	5478	6323	108847
JAPAN	10657	4029	5151	4941	5894	6352	6542	6217	6912	5251	7124	8388	8149	8793	11110	105510
UNITED KINGDOM	20314	3465	3168	2855	3146	3042	2993	2653	2723	1909	2405	2473	2132	1930	2269	57477
FRANCE	11217	2214	2230	2144	2569	2367	2408	2108	2119	1604	2087	2181	1975	1895	2162	41280
SWITZERLAND	7119	1281	1305	1326	1454	1456	1475	1347	1330	1025	1266	1239	1147	1016	1174	24960
CANADA	6996	1328	1242	1347	1326	1296	1193	1218	1226	863	1081	1135	990	1000	1206	23447
SWEDEN	4299	842	777	762	925	914	1002	862	826	573	822	766	685	623	701	15379
ITALY	3571	726	839	759	807	738	754	756	725	596	806	883	752	625	794	14131
NETHERLANDS	3771	695	673	686	731	617	744	708	659	525	654	641	619	626	726	13075
U.S.S.R.	714	336	359	384	496	421	426	394	412	354	460	373	209	222	214	5774
BELGIUM	1382	305	319	283	348	277	334	255	264	185	244	263	224	205	240	5128
AUSTRIA	1139	251	271	237	294	310	296	243	274	223	267	279	229	267	256	4836
AUSTRALIA	940	201	183	202	234	248	261	243	281	211	265	318	266	237	292	4382
DENMARK	809	170	173	154	176	146	178	155	168	105	157	130	121	125	150	2917
CZECHOSLOVAKIA	610	153	110	94	112	117	111	93	91	50	55	41	50	38	33	1758
FINLAND	230	59	69	88	109	98	109	105	125	77	121	140	125	116	167	1738
ISRAEL	322	54	55	84	89	95	105	94	99	84	113	123	114	109	162	1702
NORWAY	422	77	88	84	91	103	103	106	89	80	79	93	65	66	87	1633
S. AFRICA	386	71	54	86	86	74	83	68	81	64	74	111	73	60	82	1453
SPAIN	354	74	60	87	89	93	102	96	92	49	65	58	49	50	69	1387
HUNGARY	187	38	48	46	62	51	75	80	66	63	87	98	112	106	111	1230
MEXICO	545	64	43	42	51	67	78	42	24	36	41	43	35	32	42	1185
NEW ZEALAND	109	17	26	25	20	28	33	32	41	23	51	47	44	38	50	584
TAIWAN				1		23	28	52	29	38	65	80	88	65	99	568
POLAND	124	31	21	25	27	36	26	24	33	29	37	38	26	20	15	512
ARGENTINA	158	22	29	28	24	24	24	20	21	24	18	25	18	21	20	476
BRAZIL	115	14	16	18	21	17	18	21	24	19	24	23	27	19	20	396
IRELAND	59	29	18	28	17	15	20	17	21	10	17	17	24	18	29	339
ROMANIA	95	35	33	25	35	17	15	18	11	10	14	10	5	2	5	330
LIECHTENSTEIN	106	28	10	14	15	13	21	11	10	8	18	20	19	12	16	321
HONG KONG, S.A.R. -PEOP	59	20	7	15	9	10	21	9	21	14	27	33	18	14	24	301
BULGARIA	24	11	10	16	13	24	19	33	32	14	23	27	13	19	22	300
LUXEMBOURG	35	6	8	6	19	16	15	16	16	21	13	27	26	27	24	275
INDIA	83	10	19	21	17	13	17	13	14	14	4	6	4	14	12	261
GREECE	53	6	16	14	17	9	11	10	6	6	3	5	9	7	9	181
SOUTH KOREA	12	2	7	5	7	13	7	6	13	5	8	17	14	26	30	172
Others ( 87 )	728	152	127	122	146	88	88	93	96	69	88	93	69	68	88	2115
<b>Ownership:</b>																
U.S. Corporations	282169	43133	39927	38732	38186	35540	34390	31510	31355	22504	27640	29433	25783	25677	29999	735978
U.S. Government	12115	2144	1771	2090	1727	1895	1823	1495	1241	964	1237	1121	1005	1048	1235	32911
U.S. Individuals	91861	12669	11652	12416	12678	11200	10097	10263	10418	7805	9955	10264	8553	7574	8911	236316
Foreign Corporations	70895	16045	16980	16634	18715	18868	19770	18058	19070	14616	18874	20788	18856	19246	23238	330653
Foreign Government	1603	142	112	143	187	194	209	216	251	186	254	251	369	339	438	4894
Foreign Individuals	22417	4184	4368	4128	4785	4303	3937	3727	3767	2779	3859	3914	3322	2976	3379	75845

---- Patents Granted By Date Of Patent Grant (Granted: Jan 01, 1963 - Dec 31, 1984) ----

	PERCENT OF PATENTS															
	Pre 1971	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	Total
Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
U.S. Origin	78	71	69	69	66	65	63	64	62	62	60	60	59	58	57	68
Foreign Origin	22	29	31	31	34	35	37	36	38	38	40	40	41	42	43	32
GERMANY	6	7	8	8	8	8	9	9	9	9	9	10	9	10	9	8
JAPAN	2	5	7	7	8	9	9	10	10	11	12	13	14	15	17	7
UNITED KINGDOM	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	4
FRANCE	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
SWITZERLAND	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
CANADA	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
SWEDEN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ITALY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
NETHERLANDS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
U.S.S.R.				1	1	1	1	1	1	1	1	1	1	1	1	0
BELGIUM																0
AUSTRIA																0
AUSTRALIA																0
DENMARK																0
CZECHOSLOVAKIA																0
FINLAND																0
ISRAEL																0
NORWAY																0
S. AFRICA																0
SPAIN																0
HUNGARY																0
MEXICO																0
NEW ZEALAND																0
TAIWAN																0
POLAND																0
ARGENTINA																0
BRAZIL																0
IRELAND																0
ROMANIA																0
LIECHTENSTEIN																0
HONG KONG,S.A.R.-PEOP																0
BULGARIA																0
LUXEMBOURG																0
INDIA																0
GREECE																0
SOUTH KOREA																0
Others ( 87 )																0
Ownership:																
U.S. Corporations	59	55	53	52	50	49	49	48	47	46	45	45	45	45	45	52
U.S. Government	3	3	2	3	2	3	3	2	2	2	2	2	2	2	2	2
U.S. Individuals	19	16	16	17	17	16	14	16	16	16	16	16	15	13	13	17
Foreign Corporations	15	20	23	22	25	26	28	28	29	30	31	32	33	34	35	23
Foreign Government													1	1	1	0
Foreign Individuals	5	5	6	6	6	6	6	6	6	6	6	6	6	5	5	5

**Part B1**  
**Ranked Listing of Organizations with PATENT GRANTS**  
**As Distributed By Year of Patent Grant**

---- Organizational Patenting (Granted: Jan 01, 1969 - Dec 31, 1984) ---- Ranked List of Organizations with 500 or More Patents ----

	Pre 1971	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	TOTAL
<b>GENERAL ELECTRIC COMPANY</b>																
Patents By Year of Grant:	2171	1139	924	1051	1001	835	802	822	821	610	768	875	740	637	789	13985
<b>AT&amp;T CORP.</b>																
Patents By Year of Grant:	1565	884	802	678	543	464	456	451	370	283	406	414	398	465	488	8667
<b>INTERNATIONAL BUSINESS MACHINES CORPORATION</b>																
Patents By Year of Grant:	1222	789	631	632	568	489	480	504	450	321	383	502	436	484	609	8500
<b>UNITED STATES OF AMERICA, NAVY</b>																
Patents By Year of Grant:	1033	665	560	739	509	671	631	474	363	298	410	329	287	318	285	7572
<b>WESTINGHOUSE ELECTRIC CORP.</b>																
Patents By Year of Grant:	1084	682	592	563	617	502	458	495	488	345	378	386	327	259	348	7524
<b>E. I. DU PONT DE NEMOURS AND COMPANY</b>																
Patents By Year of Grant:	1251	590	692	529	529	537	457	431	386	227	289	343	283	326	348	7218
<b>GENERAL MOTORS CORPORATION</b>																
Patents By Year of Grant:	875	681	611	665	584	495	402	290	252	244	326	278	251	217	324	6495
<b>RCA CORPORATION</b>																
Patents By Year of Grant:	638	453	408	329	339	401	423	428	424	282	410	437	465	448	429	6314
<b>BAYER AKTIENGESELLSCHAFT</b>																
Patents By Year of Grant:	477	271	410	363	413	451	555	483	434	355	414	508	350	335	363	6182
<b>U.S. PHILIPS CORPORATION</b>																
Patents By Year of Grant:	600	446	356	430	469	391	469	421	364	291	321	336	362	359	438	6053
<b>SIEMENS AKTIENGESELLSCHAFT</b>																
Patents By Year of Grant:	502	268	296	370	406	448	488	457	412	302	367	436	434	378	406	5970

---- Organizational Patenting (Granted: Jan 01, 1969 - Dec 31, 1984) ---- Ranked List of Organizations with 500 or More Patents ----

	Pre 1971	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	TOTAL
<b>EASTMAN KODAK COMPANY</b>																
Patents By Year of Grant:	930	636	626	524	383	284	209	249	221	215	258	300	232	235	255	5557
<b>DOW CHEMICAL COMPANY</b>																
Patents By Year of Grant:	916	421	464	402	402	365	293	297	334	217	249	260	277	246	328	5471
<b>HITACHI, LTD</b>																
Patents By Year of Grant:	185	186	204	219	325	370	340	367	388	304	380	489	479	432	596	5264
<b>PHILLIPS PETROLEUM COMPANY</b>																
Patents By Year of Grant:	842	418	424	322	352	313	296	270	312	225	283	294	221	265	279	5116
<b>UNITED STATES OF AMERICA, ARMY</b>																
Patents By Year of Grant:	744	410	342	451	356	324	417	338	266	196	252	224	190	211	187	4908
<b>XEROX CORPORATION</b>																
Patents By Year of Grant:	425	299	366	282	357	465	548	493	418	167	177	235	216	206	180	4834
<b>UNISYS CORPORATION</b>																
Patents By Year of Grant:	696	399	399	292	255	239	255	252	251	237	216	271	234	241	278	4515
<b>CIBA-GEIGY CORPORATION</b>																
Patents By Year of Grant:	382	185	319	239	250	319	399	354	347	248	309	345	281	244	290	4511
<b>MONSANTO CO.</b>																
Patents By Year of Grant:	776	413	397	280	273	233	255	192	264	144	205	211	131	136	138	4048
<b>UNITED STATES OF AMERICA, DEPARTMENT OF ENERGY</b>																
Patents By Year of Grant:	500	319	232	254	266	260	271	198	202	158	189	212	243	131	327	3762
<b>EXXON RESEARCH + ENGINEERING CO.</b>																
Patents By Year of Grant:	508	216	286	247	209	195	203	216	261	212	222	268	213	221	256	3733



---- Organizational Patenting (Granted: Jan 01, 1969 - Dec 31, 1984) ---- Ranked List of Organizations with 500 or More Patents ----

	Pre 1971	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	TOTAL
UNION CARBIDE CORPORATION																
Patents By Year of Grant:	555	236	265	223	206	229	220	225	215	197	211	262	202	182	231	3659
HOECHST AKTIENGESELLSCHAFT																
Patents By Year of Grant:	269	139	207	142	173	280	347	288	311	222	238	262	218	238	223	3557
BASF AKTIENGESELLSCHAFT																
Patents By Year of Grant:	281	136	239	145	186	232	278	268	192	168	250	270	232	215	260	3352
IMPERIAL CHEMICAL INDUSTRIES PLC																
Patents By Year of Grant:	410	190	293	202	239	264	291	232	240	143	186	161	148	131	137	3267
AMERICAN CYANAMID COMPANY																
Patents By Year of Grant:	515	222	283	221	212	198	228	215	227	143	205	188	129	128	111	3225
MOBIL OIL CORP.																
Patents By Year of Grant:	391	132	193	147	174	167	170	192	225	130	198	199	177	308	373	3176
SHELL OIL COMPANY																
Patents By Year of Grant:	613	272	300	247	167	153	167	186	154	92	154	154	136	162	181	3138
CATERPILLAR INC.																
Patents By Year of Grant:	284	171	99	171	225	282	340	335	363	183	176	176	147	71	54	3077
UOP																
Patents By Year of Grant:	455	202	259	209	201	204	219	213	189	128	152	145	150	143	132	3001
MOTOROLA, INC.																
Patents By Year of Grant:	338	208	211	239	160	169	190	213	175	131	165	160	172	232	225	2988
MINNESOTA MINING AND MANUFACTURING COMPANY																
Patents By Year of Grant:	352	194	231	210	196	236	195	171	182	117	146	185	181	166	193	2955

---- Organizational Patenting (Granted: Jan 01, 1969 - Dec 31, 1984) ---- Ranked List of Organizations with 500 or More Patents ----

	Pre 1971	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	TOTAL
<b>MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.</b>																
Patents By Year of Grant:	217	198	220	217	235	222	222	193	166	97	150	159	203	212	233	2944
<b>ROCKWELL INTERNATIONAL CORPORATION</b>																
Patents By Year of Grant:	439	263	188	203	162	181	167	172	151	110	142	190	148	191	196	2903
<b>TOSHIBA CORPORATION</b>																
Patents By Year of Grant:	132	119	150	128	73	88	88	103	164	144	242	254	295	377	543	2900
<b>ROBERT BOSCH GMBH</b>																
Patents By Year of Grant:	121	123	129	160	179	173	196	141	204	203	209	270	237	243	295	2883
<b>TEXAS INSTRUMENTS, INCORPORATED</b>																
Patents By Year of Grant:	456	273	178	162	191	185	239	155	166	112	131	127	148	132	169	2824
<b>TEXACO INC.</b>																
Patents By Year of Grant:	219	183	200	226	261	244	195	171	178	140	147	147	155	152	196	2814
<b>BENDIX CORPORATION(NOW ALLIED-SIGNAL INC.)</b>																
Patents By Year of Grant:	453	305	255	289	208	159	124	88	104	88	130	150	147	155	145	2800
<b>UNITED TECHNOLOGIES CORPORATION</b>																
Patents By Year of Grant:	421	203	148	208	134	162	201	163	156	112	145	171	148	175	175	2722
<b>FUJI PHOTO FILM CO., LTD</b>																
Patents By Year of Grant:	134	131	159	168	205	195	202	167	187	124	157	237	182	186	278	2712
<b>UNITED STATES OF AMERICA, NATIONAL AERONAUTICS AND SPACE ADMINISTRATION</b>																
Patents By Year of Grant:	585	346	234	235	205	166	99	106	106	71	71	79	70	137	136	2646
<b>CANON KABUSHIKI KAISHA</b>																
Patents By Year of Grant:	10	20	84	90	148	154	165	160	163	154	173	268	290	331	430	2640

---- Organizational Patenting (Granted: Jan 01, 1969 - Dec 31, 1984) ---- Ranked List of Organizations with 500 or More Patents ----

	Pre 1971	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	TOTAL
<b>UPJOHN COMPANY</b>																
Patents By Year of Grant:	202	108	135	123	142	171	203	201	344	196	170	337	123	73	109	2637
<b>NISSAN MOTOR COMPANY, LIMITED</b>																
Patents By Year of Grant:	31	45	66	90	127	150	145	150	223	147	164	242	309	355	373	2617
<b>PPG INDUSTRIES INC.</b>																
Patents By Year of Grant:	255	121	167	136	161	170	181	196	190	118	166	189	177	137	137	2501
<b>FORD MOTOR COMPANY</b>																
Patents By Year of Grant:	394	224	165	173	202	200	160	111	88	83	149	147	88	152	157	2493
<b>UNITED STATES OF AMERICA, AIR FORCE</b>																
Patents By Year of Grant:	352	196	178	184	140	178	144	170	145	118	153	107	101	123	181	2470
<b>ALLIED-SIGNAL INC.</b>																
Patents By Year of Grant:	345	181	226	184	150	169	139	124	145	109	129	111	120	138	164	2434
<b>GTE PRODUCTS CORPORATION</b>																
Patents By Year of Grant:	364	242	194	169	142	143	135	146	135	110	112	124	93	128	110	2347
<b>ITT CORPORATION</b>																
Patents By Year of Grant:	277	166	204	198	220	184	213	187	126	77	107	103	61	55	106	2284
<b>HOFFMANN-LA ROCHE INC.</b>																
Patents By Year of Grant:	222	101	155	127	185	239	204	166	186	126	144	124	118	90	78	2265
<b>FMC CORPORATION</b>																
Patents By Year of Grant:	440	216	210	171	167	127	92	111	110	83	93	99	105	91	99	2214
<b>HONEYWELL INC.</b>																
Patents By Year of Grant:	438	238	173	157	115	99	96	95	126	84	114	102	118	124	131	2210

---- Organizational Patenting (Granted: Jan 01, 1969 - Dec 31, 1984) ---- Ranked List of Organizations with 500 or More Patents ----

	Pre 1971	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	TOTAL
MERCK + CO., INC.																
Patents By Year of Grant:	268	119	164	126	107	134	151	145	150	127	156	160	135	115	135	2192
POLAROID CORPORATION																
Patents By Year of Grant:	233	170	179	182	209	142	121	119	127	112	127	151	125	74	101	2172
CHEVRON RESEARCH & TECHNOLOGY CO.																
Patents By Year of Grant:	264	134	160	125	177	152	160	125	135	112	115	109	105	151	140	2164
TOYOTA JIDOSHA K.K.																
Patents By Year of Grant:	28	28	48	77	75	110	139	162	200	180	203	187	164	199	239	2039
SONY CORPORATION																
Patents By Year of Grant:	67	77	80	96	103	146	212	170	131	121	163	145	135	147	204	1997
OWENS-ILLINOIS INC.																
Patents By Year of Grant:	322	145	136	179	202	139	152	135	135	73	87	75	55	66	61	1962
SINGER COMPANY																
Patents By Year of Grant:	179	154	140	148	168	123	104	106	123	102	131	122	92	106	113	1911
AGFA-GEVAERT, AG																
Patents By Year of Grant:	188	150	181	196	189	141	147	87	106	80	112	96	89	79	62	1903
AMP INCORPORATED																
Patents By Year of Grant:	248	156	132	127	120	147	115	108	104	94	88	82	93	134	142	1890
BRISTOL-MYERS SQUIBB COMPANY																
Patents By Year of Grant:	182	63	91	131	148	175	174	154	181	130	124	92	89	64	87	1885
HUGHES AIRCRAFT COMPANY																
Patents By Year of Grant:	266	154	142	140	125	129	143	110	127	62	100	97	83	66	105	1849

---- Organizational Patenting (Granted: Jan 01, 1969 - Dec 31, 1984) ---- Ranked List of Organizations with 500 or More Patents ----

	Pre 1971	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	TOTAL
GOODYEAR TIRE + RUBBER COMPANY																
Patents By Year of Grant:	192	126	136	96	125	141	131	120	147	98	96	85	66	77	113	1749
TRW INC.																
Patents By Year of Grant:	343	202	154	142	134	104	104	86	77	60	82	57	55	44	47	1691
PROCTER + GAMBLE COMPANY																
Patents By Year of Grant:	171	147	121	98	100	94	128	99	134	74	105	99	74	83	100	1627
STAUFFER CHEMICAL COMPANY																
Patents By Year of Grant:	135	78	117	118	119	125	150	116	132	80	93	94	87	81	95	1620
CORNING INCORPORATED																
Patents By Year of Grant:	241	135	96	101	117	114	110	102	99	69	94	105	90	57	82	1612
OLIN CORPORATION																
Patents By Year of Grant:	213	111	122	114	88	100	108	91	99	82	106	80	80	86	112	1592
SMITHKLINE BECKMAN CORPORATION																
Patents By Year of Grant:	309	118	100	96	95	104	134	101	117	71	82	59	66	59	68	1579
INTERNATIONAL STANDARD ELECTRIC CORPORATION(ITT CORP. UNIT)																
Patents By Year of Grant:	366	205	140	101	79	114	80	64	65	60	63	44	58	46	54	1539
SUMITOMO CHEMICAL COMPANY, LIMITED																
Patents By Year of Grant:	77	64	126	84	110	134	171	125	120	69	85	108	103	66	91	1533
W. R. GRACE & CO.-CONN.																
Patents By Year of Grant:	272	153	150	107	112	112	100	63	76	56	72	68	49	52	57	1499
RICOH COMPANY, LTD.																
Patents By Year of Grant:	43	120	131	97	83	89	67	78	75	82	90	143	127	111	123	1459

---- Organizational Patenting (Granted: Jan 01, 1969 - Dec 31, 1984) ---- Ranked List of Organizations with 500 or More Patents ----

	Pre 1971	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	TOTAL
<b>ELI LILLY AND COMPANY</b>																
Patents By Year of Grant:	94	45	77	72	109	127	147	137	109	84	85	112	104	74	80	1456
<b>NEC CORPORATION</b>																
Patents By Year of Grant:	170	113	90	73	67	82	77	79	78	58	89	115	112	103	127	1433
<b>UNITED STATES OF AMERICA, DEPARTMENT OF AGRICULTURE</b>																
Patents By Year of Grant:	196	101	126	118	130	147	132	95	68	39	53	58	45	47	48	1403
<b>EATON CORPORATION</b>																
Patents By Year of Grant:	188	129	71	78	82	90	63	79	48	51	104	97	98	64	126	1368
<b>OLYMPUS OPTICAL CO., LTD.</b>																
Patents By Year of Grant:	13	34	27	30	43	49	48	62	93	101	133	166	186	186	196	1367
<b>THOMSON-CSF</b>																
Patents By Year of Grant:	2	25	60	68	87	82	93	96	104	87	107	127	146	133	116	1333
<b>DAIMLER-BENZ AKTIENGESELLSCHAFT</b>																
Patents By Year of Grant:	153	81	85	128	120	109	91	66	103	53	80	69	48	67	78	1331
<b>ATLANTIC RICHFIELD COMPANY</b>																
Patents By Year of Grant:	117	109	122	77	94	87	91	64	63	63	58	86	71	93	129	1324
<b>AMERICAN HOME PRODUCTS CORPORATION</b>																
Patents By Year of Grant:	298	99	109	88	102	137	99	73	67	39	52	52	43	24	32	1314
<b>BOEING COMPANY</b>																
Patents By Year of Grant:	101	73	35	45	59	81	88	83	92	65	94	113	112	117	141	1299
<b>USX CORPORATION</b>																
Patents By Year of Grant:	240	147	132	147	93	92	86	78	77	41	46	38	22	25	25	1289

---- Organizational Patenting (Granted: Jan 01, 1969 - Dec 31, 1984) ---- Ranked List of Organizations with 500 or More Patents ----

	Pre 1971	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	TOTAL
OWENS-CORNING FIBERGLAS CORPORATION																
Patents By Year of Grant:	157	80	77	69	92	100	87	70	58	57	73	103	108	64	76	1271
LUCAS INDUSTRIES PUBLIC LTD. COMPANY																
Patents By Year of Grant:	198	146	97	100	51	22	51	28	59	58	75	95	92	93	91	1256
MITSUBISHI DENKI KABUSHIKI KAISHA																
Patents By Year of Grant:	40	49	55	37	47	55	75	57	62	51	84	95	123	140	285	1255
HOECHST CELANESE CORPORATION																
Patents By Year of Grant:	203	82	110	107	100	75	61	70	71	44	56	58	56	57	94	1244
PFIZER INC.																
Patents By Year of Grant:	115	62	74	67	59	108	106	93	89	65	75	92	72	61	89	1227
NATIONAL RESEARCH DEVELOPMENT CORPORATION																
Patents By Year of Grant:	159	106	93	64	77	86	71	76	85	61	69	70	62	57	69	1205
DEERE + COMPANY																
Patents By Year of Grant:	141	82	64	87	83	61	80	69	48	44	74	77	69	96	115	1190
BORG-WARNER CORPORATION																
Patents By Year of Grant:	172	102	82	77	85	70	80	77	116	56	62	68	47	34	46	1174
ALLIS-CHALMERS CORPORATION																
Patents By Year of Grant:	212	108	85	86	114	68	69	70	63	36	46	44	46	56	54	1157
CONOCO, INC.																
Patents By Year of Grant:	141	55	79	74	88	102	91	64	79	60	60	87	48	61	68	1157
GULF RESEARCH AND DEVELOPMENT COMPANY																
Patents By Year of Grant:	186	113	140	107	91	70	56	67	57	52	55	50	46	42	21	1153

---- Organizational Patenting (Granted: Jan 01, 1969 - Dec 31, 1984) ---- Ranked List of Organizations with 500 or More Patents ----

	Pre 1971	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	TOTAL
<b>COLGATE-PALMOLIVE COMPANY</b>																
Patents By Year of Grant:	105	62	77	78	92	102	138	89	94	52	52	43	40	52	76	1152
<b>B. F. GOODRICH CO.</b>																
Patents By Year of Grant:	154	72	92	71	59	83	71	77	67	48	63	79	59	60	88	1143
<b>CIBA-GEIGY AG</b>																
Patents By Year of Grant:	62	24	105	175	167	147	99	67	55	39	40	45	37	31	34	1127
<b>ETHYL CORPORATION</b>																
Patents By Year of Grant:	190	82	128	75	113	104	69	46	41	25	51	43	31	44	76	1118
<b>RAYTHEON COMPANY</b>																
Patents By Year of Grant:	92	52	72	87	95	74	94	70	88	66	69	52	51	48	79	1089
<b>DRESSER INDUSTRIES, INC.</b>																
Patents By Year of Grant:	155	73	67	70	74	85	78	61	45	63	68	78	47	61	63	1088
<b>NAVISTAR INTERNATIONAL TRANSPORTATION CORP.</b>																
Patents By Year of Grant:	247	98	89	65	77	69	71	49	44	51	47	36	73	43	22	1081
<b>COMMISSARIAT A L'ENERGIE ATOMIQUE</b>																
Patents By Year of Grant:	163	77	46	62	77	54	82	83	77	39	62	58	79	54	61	1074
<b>NCR CORPORATION</b>																
Patents By Year of Grant:	156	100	110	97	80	43	47	71	63	44	49	43	42	64	57	1066
<b>MINOLTA CAMERA CO., LTD.</b>																
Patents By Year of Grant:	23	38	65	81	79	77	79	55	76	65	74	103	59	72	90	1036
<b>ROHM AND HAAS COMPANY</b>																
Patents By Year of Grant:	95	29	65	56	84	52	68	94	95	77	74	77	49	55	37	1007



---- Organizational Patenting (Granted: Jan 01, 1969 - Dec 31, 1984) ---- Ranked List of Organizations with 500 or More Patents ----

	Pre 1971	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	TOTAL
<b>HERCULES INCORPORATED</b>																
Patents By Year of Grant:	173	81	141	86	72	69	58	51	49	24	23	52	30	37	39	985
<b>ROBERTSHAW CONTROLS COMPANY</b>																
Patents By Year of Grant:	169	96	93	71	95	57	83	62	47	33	57	49	31	14	21	978
<b>GAF CHEMICALS CORPORATION</b>																
Patents By Year of Grant:	214	91	80	75	87	66	54	26	57	54	48	47	32	21	19	971
<b>CONTINENTAL GROUP, INC.</b>																
Patents By Year of Grant:	188	112	103	61	67	73	67	43	39	41	51	27	41	32	24	969
<b>SANDOZ LTD.</b>																
Patents By Year of Grant:	103	44	63	51	60	64	91	90	71	55	62	58	42	56	56	966
<b>ZENITH ELECTRONICS CORPORATION</b>																
Patents By Year of Grant:	119	86	71	84	52	63	77	58	41	38	36	47	63	70	54	959
<b>RAYMOND LEE ORGANIZATION</b>																
Patents By Year of Grant:	3	1	19	99	156	145	211	174	138	3	0	0	0	0	0	949
<b>FUJITSU LIMITED</b>																
Patents By Year of Grant:	61	32	30	37	47	38	32	33	33	44	45	69	114	150	179	944
<b>HOOKER CHEMICALS &amp; PLASTICS CORP.</b>																
Patents By Year of Grant:	232	70	101	61	58	76	65	73	48	31	36	44	30	0	1	926
<b>COMBUSTION ENGINEERING INC.</b>																
Patents By Year of Grant:	103	49	54	48	74	59	45	55	57	54	59	64	62	59	76	918
<b>LEVER BROS. CO., DIVISION OF CONOPCO, INC.</b>																
Patents By Year of Grant:	83	42	76	45	57	72	93	61	63	60	35	64	50	41	70	912

---- Organizational Patenting (Granted: Jan 01, 1969 - Dec 31, 1984) ---- Ranked List of Organizations with 500 or More Patents ----

	Pre 1971	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	TOTAL
<b>NIPPONDENSO CO., LTD.</b>																
Patents By Year of Grant:	25	46	66	57	54	55	48	30	57	42	49	63	76	69	156	893
<b>BELL + HOWELL COMPANY</b>																
Patents By Year of Grant:	138	106	81	76	84	59	60	70	57	28	32	28	26	18	28	891
<b>VARIAN ASSOCIATES, INC.</b>																
Patents By Year of Grant:	210	107	50	59	63	59	59	37	39	30	35	40	22	39	39	888
<b>NIPPON GAKKI SEIZO KABUSHIKI KAISHA</b>																
Patents By Year of Grant:	39	80	66	50	69	46	44	43	68	56	85	61	67	51	56	881
<b>HONDA GIKEN KOGYO KABUSHIKI KAISHA (HONDA MOTOR CO., LTD.)</b>																
Patents By Year of Grant:	19	21	19	29	26	47	30	48	62	43	78	65	94	105	193	879
<b>INTERNATIONAL FLAVORS + FRAGRANCES INC</b>																
Patents By Year of Grant:	15	11	33	33	19	70	54	52	80	60	76	96	87	87	95	868
<b>AMOCO CORPORATION</b>																
Patents By Year of Grant:	0	0	0	0	0	0	1	97	91	82	113	119	109	123	132	867
<b>HEWLETT-PACKARD COMPANY</b>																
Patents By Year of Grant:	131	68	49	63	36	43	65	58	44	60	45	50	48	39	63	862
<b>AISIN SEIKI KABUSHIKI KAISHA</b>																
Patents By Year of Grant:	28	26	57	52	49	57	65	43	44	44	74	57	80	76	108	860
<b>TEXTRON INC.</b>																
Patents By Year of Grant:	100	90	71	71	79	80	60	55	54	49	49	51	24	13	14	860
<b>DYNAMIT NOBEL AKTIENGESELLSCHAFT</b>																
Patents By Year of Grant:	109	57	81	63	49	61	58	58	64	50	45	54	28	35	45	857

---- Organizational Patenting (Granted: Jan 01, 1969 - Dec 31, 1984) ---- Ranked List of Organizations with 500 or More Patents ----

	Pre 1971	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	TOTAL
STERLING DRUG INC. Patents By Year of Grant:	95	44	58	44	43	59	63	59	56	44	58	63	57	65	34	842
ASAHI KASEI KOGYO KABUSHIKI KAISHA Patents By Year of Grant:	75	45	68	48	50	59	51	36	45	35	59	55	68	71	73	838
ASEA AKTIEBOLAG Patents By Year of Grant:	117	85	50	61	62	62	73	38	57	29	34	38	43	41	44	834
HONEYWELL INFORMATION SYSTEMS INC. Patents By Year of Grant:	0	23	49	89	92	61	63	67	66	29	48	60	64	65	58	834
DOW CORNING CORPORATION Patents By Year of Grant:	152	93	69	57	42	43	43	42	49	26	31	50	35	37	52	821
ABBOTT LABORATORIES Patents By Year of Grant:	57	33	58	46	71	60	52	57	50	51	101	64	50	32	32	814
MCDONNELL DOUGLAS CORP. Patents By Year of Grant:	143	84	59	81	60	51	60	45	43	19	25	35	31	38	36	810
MORTON THIOKOL, INC. Patents By Year of Grant:	170	48	71	59	51	57	73	72	53	28	34	20	17	26	23	802
LICENTIA PATENT-VERWALTUNGS-GMBH Patents By Year of Grant:	72	41	59	73	82	57	54	48	39	40	45	42	51	53	43	799
BAXTER INTERNATIONAL INC. Patents By Year of Grant:	35	39	35	59	32	38	43	51	63	42	86	86	62	60	65	796
UNIROYAL, INC. Patents By Year of Grant:	136	58	78	63	80	72	84	44	42	26	24	23	18	16	30	794

---- Organizational Patenting (Granted: Jan 01, 1969 - Dec 31, 1984) ---- Ranked List of Organizations with 500 or More Patents ----

	Pre 1971	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	TOTAL
<b>ELF ATOCHEM NORTH AMERICA, INC.</b>																
Patents By Year of Grant:	146	61	53	52	55	40	56	39	59	29	45	43	34	27	43	782
<b>NIKON CORPORATION</b>																
Patents By Year of Grant:	58	50	68	54	17	35	44	46	38	33	47	60	75	62	88	775
<b>ILLINOIS TOOL WORKS INC.</b>																
Patents By Year of Grant:	105	59	48	36	74	103	61	49	38	27	34	46	29	27	34	770
<b>WARNER-LAMBERT COMPANY</b>																
Patents By Year of Grant:	72	23	52	46	82	78	64	67	59	36	36	37	25	34	49	760
<b>GTE AUTOMATIC ELECTRIC LABORATORIES INCORPORATED</b>																
Patents By Year of Grant:	0	31	37	109	144	99	57	50	33	25	37	38	34	45	14	753
<b>CARRIER CORPORATION</b>																
Patents By Year of Grant:	89	93	53	58	61	34	30	33	37	29	44	47	44	53	47	752
<b>TAKEDA CHEMICAL INDUSTRIES LTD.</b>																
Patents By Year of Grant:	62	39	79	49	58	56	45	55	40	28	40	55	46	44	54	750
<b>UNION OIL COMPANY OF CALIFORNIA</b>																
Patents By Year of Grant:	112	45	88	65	51	42	25	60	55	26	33	24	25	31	53	735
<b>ALUMINUM COMPANY OF AMERICA</b>																
Patents By Year of Grant:	59	39	51	68	75	53	70	49	52	32	36	43	24	29	52	732
<b>AMERICAN OPTICAL CORPORATION</b>																
Patents By Year of Grant:	88	82	76	67	48	76	57	59	47	42	35	35	6	9	5	732
<b>U.S.M. CORPORATION</b>																
Patents By Year of Grant:	110	71	56	62	56	42	46	41	35	30	32	38	27	47	39	732

---- Organizational Patenting (Granted: Jan 01, 1969 - Dec 31, 1984) ---- Ranked List of Organizations with 500 or More Patents ----

	Pre 1971	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	TOTAL
<b>KONICA CORPORATION</b>																
Patents By Year of Grant:	16	31	31	34	31	30	18	39	44	51	55	78	53	74	146	731
<b>BBC BROWN, BOVERI &amp; COMPANY, LIMITED</b>																
Patents By Year of Grant:	1	0	3	10	52	44	54	61	70	55	88	104	70	58	56	726
<b>UNITED STATES OF AMERICA, DEPARTMENT OF THE INTERIOR</b>																
Patents By Year of Grant:	93	63	57	60	51	66	58	69	42	28	35	48	15	24	13	722
<b>ROLLS-ROYCE PLC</b>																
Patents By Year of Grant:	131	86	42	20	30	35	25	38	31	34	42	52	46	44	63	719
<b>AGENCE NATIONALE DE VALORISATION DE LA RECHERCHE (ANVAR)</b>																
Patents By Year of Grant:	8	21	37	47	62	69	83	102	87	36	51	37	39	23	15	717
<b>SCHLUMBERGER TECHNOLOGY CORPORATION</b>																
Patents By Year of Grant:	186	70	67	54	45	39	35	26	29	12	21	30	33	26	38	711
<b>STANDARD OIL CORPORATION (INDIANA)</b>																
Patents By Year of Grant:	124	62	73	68	108	70	115	17	15	3	4	3	0	8	35	705
<b>INSTITUT FRANCAIS DU PETROLE</b>																
Patents By Year of Grant:	61	43	46	49	55	51	49	45	29	33	43	48	45	57	42	696
<b>NORTHERN TELECOM LIMITED</b>																
Patents By Year of Grant:	68	35	36	34	17	37	37	42	54	50	36	48	58	62	82	696
<b>WHIRLPOOL CORPORATION</b>																
Patents By Year of Grant:	110	64	70	54	46	58	47	33	42	27	20	31	25	32	36	695
<b>MASSACHUSETTS INSTITUTE OF TECHNOLOGY</b>																
Patents By Year of Grant:	67	27	28	40	37	44	59	39	53	43	44	66	51	47	47	692

---- Organizational Patenting (Granted: Jan 01, 1969 - Dec 31, 1984) ---- Ranked List of Organizations with 500 or More Patents ----

	Pre 1971	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	TOTAL
JOHNSON + JOHNSON																
Patents By Year of Grant:	90	35	53	44	54	62	64	60	52	35	42	28	33	19	20	691
SCM CORPORATION																
Patents By Year of Grant:	74	52	53	43	50	51	60	39	40	30	48	37	36	31	33	677
DEUTSCHE GOLD- UND SILBER-SCHNEIDANSTALT VORMALS ROESSLER																
Patents By Year of Grant:	68	47	49	51	62	76	65	61	53	44	48	38	8	2	0	672
BUNKER RAMO CORPORATION																
Patents By Year of Grant:	85	84	66	49	61	35	42	34	51	40	61	32	23	6	1	670
VICTOR COMPANY OF JAPAN, LIMITED																
Patents By Year of Grant:	44	32	34	40	31	34	32	28	29	28	38	44	53	90	111	668
GENERAL FOODS CORPORATION																
Patents By Year of Grant:	56	39	59	52	57	62	58	52	28	15	24	40	41	36	47	666
NALCO CHEMICAL COMPANY																
Patents By Year of Grant:	88	47	49	40	35	54	63	48	37	39	33	34	22	37	32	658
AVCO CORPORATION																
Patents By Year of Grant:	130	90	63	89	67	47	24	21	20	28	17	17	10	11	21	655
FIRESTONE TIRE & RUBBER CO.																
Patents By Year of Grant:	66	43	44	43	42	57	60	30	37	37	51	38	30	30	46	654
RHONE-POULENC S.A.																
Patents By Year of Grant:	101	70	91	65	87	102	81	32	7	4	2	2	1	0	3	648
HARRIS CORP.																
Patents By Year of Grant:	49	46	51	39	32	40	38	23	44	41	67	55	28	48	44	645

---- Organizational Patenting (Granted: Jan 01, 1969 - Dec 31, 1984) ---- Ranked List of Organizations with 500 or More Patents ----

	Pre 1971	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	TOTAL
<b>SUN OIL COMPANY OF PENNSYLVANIA</b>																
Patents By Year of Grant:	166	90	106	63	49	51	58	23	16	7	7	7	0	1	0	644
<b>KOPPERS COMPANY INC.</b>																
Patents By Year of Grant:	142	62	36	44	55	39	50	32	29	19	22	25	17	34	36	642
<b>SHARP KABUSHIKI KAISHA (SHARP CORPORATION)</b>																
Patents By Year of Grant:	2	4	3	4	7	9	23	28	48	41	85	82	92	103	111	642
<b>AMERICAN CAN COMPANY</b>																
Patents By Year of Grant:	66	42	35	52	43	36	38	42	36	34	63	67	40	26	19	639
<b>CHAMPION INTERNATIONAL CORPORATION</b>																
Patents By Year of Grant:	32	23	17	23	12	19	28	33	62	48	91	82	64	59	42	635
<b>AKZONA INCORPORATED</b>																
Patents By Year of Grant:	43	13	24	22	38	30	43	54	56	58	64	64	54	41	30	634
<b>HALLIBURTON CO.</b>																
Patents By Year of Grant:	71	33	27	36	49	34	28	26	27	23	33	48	42	58	99	634
<b>PITNEY-BOWES, INC.</b>																
Patents By Year of Grant:	40	19	24	23	33	57	48	56	50	40	32	48	49	63	50	632
<b>AMF INCORPORATED</b>																
Patents By Year of Grant:	156	83	36	40	36	45	33	27	19	23	15	29	36	22	24	624
<b>BASF WYANDOTTE CORPORATION</b>																
Patents By Year of Grant:	50	30	35	40	27	28	39	34	54	40	55	45	55	38	51	621
<b>STANDARD OIL COMPANY</b>																
Patents By Year of Grant:	66	19	23	11	21	30	33	29	54	52	31	60	74	60	51	614

---- Organizational Patenting (Granted: Jan 01, 1969 - Dec 31, 1984) ---- Ranked List of Organizations with 500 or More Patents ----

	Pre 1971	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	TOTAL
<b>NIPPON STEEL CORP.</b>																
Patents By Year of Grant:	15	23	31	22	44	66	53	44	62	26	29	34	38	66	57	610
<b>ASAHI KOGAKU KOGYO KABUSHIKI KAISHA</b>																
Patents By Year of Grant:	35	19	33	31	57	54	40	36	37	36	55	42	49	39	45	608
<b>SULZER BROTHERS LTD.</b>																
Patents By Year of Grant:	90	45	30	38	40	36	37	39	37	30	46	39	37	25	39	608
<b>PULLMAN, INCORPORATED</b>																
Patents By Year of Grant:	104	75	54	55	61	30	22	33	31	35	47	38	19	3	0	607
<b>AIR PRODUCTS AND CHEMICALS, INC.</b>																
Patents By Year of Grant:	50	40	43	52	40	39	30	25	28	28	32	32	54	49	60	602
<b>EMERSON ELECTRIC CO.</b>																
Patents By Year of Grant:	73	56	29	42	34	28	38	26	32	19	45	61	40	31	43	597
<b>L'OREAL S.A.</b>																
Patents By Year of Grant:	25	37	46	39	44	53	53	38	39	22	36	41	41	40	39	593
<b>SCHERING AKTIENGESELLSCHAFT</b>																
Patents By Year of Grant:	44	19	31	38	39	44	54	61	44	34	36	46	31	28	44	593
<b>MEAD CORPORATION</b>																
Patents By Year of Grant:	49	44	31	28	28	26	21	34	40	36	64	52	45	41	48	587
<b>ACF INDUSTRIES, INCORPORATED</b>																
Patents By Year of Grant:	84	42	24	32	30	34	27	31	49	43	50	57	28	29	26	586
<b>BRUNSWICK CORPORATION</b>																
Patents By Year of Grant:	108	44	41	32	38	40	39	27	26	11	28	30	38	45	39	586



---- Organizational Patenting (Granted: Jan 01, 1969 - Dec 31, 1984) ---- Ranked List of Organizations with 500 or More Patents ----

	Pre 1971	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	TOTAL
<b>MARVIN GLASS &amp; ASSOCIATES</b>																
Patents By Year of Grant:	52	49	45	41	53	50	44	40	32	34	41	49	30	10	16	586
<b>TEIJIN LIMITED</b>																
Patents By Year of Grant:	41	29	44	35	45	37	71	43	32	25	38	38	42	33	32	585
<b>ROUSSEL-UCLAF</b>																
Patents By Year of Grant:	49	20	37	44	48	46	44	36	34	28	43	44	30	30	48	581
<b>REGIE NATIONALE DES USINES RENAULT</b>																
Patents By Year of Grant:	54	43	35	44	47	51	59	31	30	25	32	28	29	36	31	575
<b>G. D. SEARLE &amp; CO.</b>																
Patents By Year of Grant:	82	30	46	42	60	44	60	60	34	21	23	17	22	15	15	571
<b>BEECHAM GROUP P.L.C.</b>																
Patents By Year of Grant:	12	5	13	15	24	23	60	39	39	40	65	70	59	44	59	567
<b>GENCORP INC.</b>																
Patents By Year of Grant:	116	59	45	37	32	55	37	35	18	18	30	30	16	23	15	566
<b>DIAMOND SHAMROCK CORPORATION</b>																
Patents By Year of Grant:	67	22	37	39	33	39	45	36	53	25	32	36	32	40	27	563
<b>BETHLEHEM STEEL CORPORATION</b>																
Patents By Year of Grant:	87	57	62	48	58	40	19	26	31	16	25	24	26	13	30	562
<b>CHEMISCHE WERKE HULS, AG</b>																
Patents By Year of Grant:	70	23	29	20	45	32	42	29	31	23	40	44	48	33	45	554
<b>GENERAL SIGNAL CORPORATION</b>																
Patents By Year of Grant:	62	38	29	32	39	44	45	31	40	22	32	29	21	36	47	547

---- Organizational Patenting (Granted: Jan 01, 1969 - Dec 31, 1984) ---- Ranked List of Organizations with 500 or More Patents ----

	Pre 1971	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	TOTAL
ARMSTRONG WORLD INDUSTRIES, INC. Patents By Year of Grant:	60	32	29	38	47	26	35	39	62	27	35	28	22	32	33	545
EXXON PRODUCTION RESEARCH COMPANY Patents By Year of Grant:	92	47	50	54	36	38	28	32	32	23	20	23	21	22	27	545
OUTBOARD MARINE CORPORATION Patents By Year of Grant:	39	33	37	43	40	48	42	31	27	17	36	33	44	45	29	544
KIMBERLY-CLARK CORPORATION Patents By Year of Grant:	83	52	96	63	48	31	26	13	8	3	9	20	26	26	33	537
YOSHIDA KOGYO KABUSHIKI KAISHA Patents By Year of Grant:	4	4	4	6	34	42	59	62	52	25	54	59	35	40	57	537
MILLIKEN RESEARCH CORPORATION Patents By Year of Grant:	66	42	52	32	23	33	40	27	44	24	17	27	32	38	37	534
RESEARCH CORPORATION Patents By Year of Grant:	71	37	30	44	39	38	34	38	32	27	24	31	31	27	31	534
CITIZEN WATCH CO., LTD. Patents By Year of Grant:	18	8	23	18	16	22	38	29	38	39	87	83	26	33	54	532
REYNOLDS METALS COMPANY Patents By Year of Grant:	148	66	41	44	40	23	25	21	17	20	13	21	19	18	16	532
P. R. MALLORY + CO., INC. Patents By Year of Grant:	117	38	63	61	57	36	43	39	36	25	15	0	0	0	0	530
AM INTERNATIONAL, INC. Patents By Year of Grant:	70	62	52	56	37	54	43	46	40	26	13	15	4	4	6	528

---- Organizational Patenting (Granted: Jan 01, 1969 - Dec 31, 1984) ---- Ranked List of Organizations with 500 or More Patents ----

	Pre 1971	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	TOTAL
SUWA SEIKOSHA CO., LTD.																
Patents By Year of Grant:	9	16	30	53	54	63	53	41	28	21	39	40	23	39	19	528
GENERAL DYNAMICS CORPORATION																
Patents By Year of Grant:	147	57	18	42	36	35	39	31	41	26	12	17	12	4	8	525
MILES INC.																
Patents By Year of Grant:	60	35	35	27	25	30	23	22	40	24	44	48	51	29	31	524
MATTEL INC.																
Patents By Year of Grant:	63	87	83	75	27	19	18	9	21	19	19	23	19	26	13	521
GTE LABORATORIES, INC.																
Patents By Year of Grant:	51	22	23	14	24	34	47	38	33	18	25	49	30	47	63	518
KENDALL COMPANY																
Patents By Year of Grant:	51	21	25	48	42	47	29	38	24	22	42	32	30	34	33	518
NIPPON SOKEN, INC.																
Patents By Year of Grant:	0	0	0	0	2	9	26	40	63	35	47	47	75	77	97	518
WESTINGHOUSE AIR BRAKE COMPANY																
Patents By Year of Grant:	120	64	56	54	37	30	45	49	31	14	13	2	1	0	0	516
KUREHA CHEMICAL INDUSTRY CO., LTD.																
Patents By Year of Grant:	8	25	34	23	33	48	41	35	28	21	34	61	36	42	46	515
MITSUBISHI JUKOGYO KABUSHIKI KAISHA																
Patents By Year of Grant:	46	35	37	38	40	42	33	43	46	17	20	20	27	22	44	510
MESSERSCHMITT-BOLKOW-BLOHM GMBH																
Patents By Year of Grant:	1	24	48	28	43	32	23	25	40	29	42	47	35	48	41	506

---- Organizational Patenting (Granted: Jan 01, 1969 - Dec 31, 1984) ---- Ranked List of Organizations with 500 or More Patents ----

	Pre 1971	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	TOTAL
<b>AGFA-GEVAERT N.V.</b>																
Patents By Year of Grant:	88	87	70	31	5	1	0	57	38	22	26	33	14	12	19	503
<b>NIPPON KOKAN KABUSHIKI KAISHA</b>																
Patents By Year of Grant:	27	41	43	55	40	48	40	40	25	16	14	27	20	34	32	502
<b>MCGRAW-EDISON COMPANY</b>																
Patents By Year of Grant:	114	55	47	54	29	24	21	16	25	18	20	12	24	14	28	501
<b>TORAY INDUSTRIES INC.</b>																
Patents By Year of Grant:	6	22	48	31	28	33	39	26	30	23	32	47	43	47	46	501
<b>LOCKHEED CORPORATION</b>																
Patents By Year of Grant:	122	64	56	42	44	20	16	15	19	12	10	17	13	25	25	500
<b>Other Organizations (76591)</b>																
Patents By Year of Grant:	55542	33231	30267	30507	31777	29720	29123	26653	27334	20325	25764	27537	24540	24731	29735	446786