

# TECHNOLOGY ASSESSMENT & FORECAST

SEVENTH REPORT  
March 1977



U.S. DEPARTMENT OF COMMERCE  
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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

TABLE A-3  
U.S. PATENTING BY RESIDENTS  
OF SELECTED FOREIGN COUNTRIES (a, b, c)

Country	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898
ARGENTINA	---	---	1	1	1	---	---	3	---	2	3	---	3	2	2	6
AUSTRALIA	14	8	9	14	10	22	30	42	57	47	62	47	48	45	59	74
AUSTRIA (d)	33	31	44	47	36	30	66	71	61	66	77	70	46	61	58	75
BELGIUM	20	25	24	17	---	20	24	18	20	15	20	23	16	26	45	47
BOLIVIA	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
BRAZIL	1	1	3	2	2	1	2	2	3	3	1	---	2	5	---	2
BR. WEST INDIES	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
BULGARIA	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---
CANADA	251	220	284	275	294	281	299	371	303	296	324	293	302	244	286	345
CHILE	---	1	3	---	---	---	---	2	1	---	1	1	2	4	1	1
CHINA, REP. OF	---	---	1	---	---	1	---	---	---	---	1	2	---	---	2	---
COLOMBIA	2	---	1	---	---	2	---	1	---	1	2	1	---	1	---	---
CONGO BRAZZAVILLE	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CUBA	5	11	4	4	4	5	4	11	9	9	5	8	4	4	2	1
CZECHOSLOVAKIA	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
DENMARK	7	6	20	9	11	8	16	8	9	5	15	13	11	10	10	18
FRANCE	179	161	138	144	122	131	156	178	173	197	271	196	202	194	222	258
GERMANY	235	253	298	272	291	355	440	452	419	507	673	582	539	543	551	634
GREECE	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---
HONDURAS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
HONG KONG	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
HUNGARY (d)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ICELAND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
INDIA	---	6	---	1	2	---	2	1	3	6	5	4	5	5	9	3
IRAN (e)	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---
IRELAND	---	5	9	9	8	12	12	21	7	16	13	11	10	13	17	28
ISRAEL (f)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ITALY	3	2	5	6	2	4	7	6	13	12	22	14	11	20	10	33
JAPAN	2	1	---	1	1	---	2	2	2	2	3	---	---	1	---	---
KOREA	---	---	1	1	1	---	---	---	---	---	---	---	---	---	---	---
LIECHTENSTEIN	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MEXICO	2	7	9	6	6	7	7	14	14	20	11	14	17	10	9	8
NETHERLANDS	---	3	10	2	3	4	6	6	8	5	7	6	16	9	13	17
NEW ZEALAND	4	6	5	6	9	5	7	7	9	6	15	14	9	26	30	28
NORWAY	4	3	8	4	6	6	8	3	10	12	10	8	11	3	5	10
PERU	2	---	1	---	---	---	2	---	1	1	1	1	1	1	---	---
PHILIPPINES, REP.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
POLAND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PORTUGAL	---	1	---	---	---	---	2	1	1	2	---	---	---	---	---	1
ROMANIA	---	1	---	1	---	---	---	2	1	2	1	---	---	---	3	---
SAUDI ARABIA	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SOUTH AFRICA	---	---	---	---	---	---	1	1	2	---	2	---	4	---	9	7
SPAIN	2	4	8	4	2	2	8	7	5	5	4	4	3	5	2	6
SWEDEN	12	7	18	18	20	13	15	32	35	34	31	40	30	40	32	32
SWITZERLAND	22	36	44	34	51	44	65	56	41	42	55	45	42	64	44	39
THAILAND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
U.S.S.R. (g)	5	15	8	8	11	18	12	12	11	23	12	18	29	15	21	33
UNITED KINGDOM	435	458	583	584	528	557	799	761	690	694	806	732	664	656	754	1028
VENEZUELA	1	1	---	---	---	---	---	3	2	3	---	3	3	3	2	---
YUGOSLAVIA	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

\* FOOTNOTES FOLLOW TABLE A-4

TABLE A-3  
 U.S. PATENTING BY RESIDENTS  
 OF SELECTED FOREIGN COUNTRIES (a, b, c)  
 [Continued]

Country	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914
ARGENTINA	5	6	5	5	10	5	7	5	12	3	12	8	6	9	8	13
AUSTRALIA	97	81	71	77	87	92	81	186	102	96	93	96	78	102	83	105
AUSTRIA (d)	100	117	156	132	136	119	125	133	127	109	128	139	140	160	168	152
BELGIUM	65	47	54	45	59	42	40	61	58	59	56	61	37	46	54	56
BOLIVIA	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---
BRAZIL	1	1	1	3	5	3	2	6	6	1	1	3	3	10	6	6
BR. WEST INDIES	---	1	---	---	1	---	---	1	---	---	---	2	3	3	1	---
BULGARIA	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	2
CANADA	371	367	376	392	440	412	413	461	536	444	490	534	554	579	557	667
CHILE	1	3	---	1	1	---	4	4	---	3	1	1	2	---	1	3
CHINA, REP. OF	1	4	2	3	1	2	1	---	---	---	---	1	---	2	1	1
COLOMBIA	---	---	3	2	---	1	---	---	1	1	1	3	1	1	---	---
CONGO BRAZZAVILLE	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CUBA	---	4	4	10	9	5	12	8	21	9	14	9	10	15	21	20
CZECHOSLOVAKIA	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
DENMARK	20	16	30	31	36	22	30	28	40	36	39	28	32	34	28	32
FRANCE	292	341	306	346	321	331	303	314	334	302	343	315	347	369	340	379
GERMANY	888	1070	1045	956	1053	910	987	991	1182	1013	1189	1083	1320	1558	1433	1475
GREECE	---	---	---	---	---	---	---	---	---	---	---	---	1	1	---	1
HONDURAS	---	---	---	---	1	---	1	---	---	---	---	---	---	1	---	---
HONG KONG	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
HUNGARY (d)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ICELAND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
INDIA	4	3	4	5	7	10	10	5	5	3	2	3	6	7	6	2
IRAN (e)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IRELAND	27	25	25	28	24	26	19	15	22	15	12	12	11	14	17	25
ISRAEL (f)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ITALY	23	32	37	39	30	22	40	34	48	49	60	47	62	66	55	70
JAPAN	3	---	1	2	6	4	13	11	9	9	16	8	12	14	19	13
KOREA	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LIECHTENSTEIN	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MEXICO	14	26	11	20	22	28	13	25	26	16	35	31	42	36	31	26
NETHERLANDS	13	26	19	16	24	20	20	19	23	23	23	18	17	21	20	23
NEW ZEALAND	41	22	25	48	48	53	56	60	45	46	33	30	38	40	45	60
NORWAY	6	17	20	17	18	23	14	19	15	24	24	35	36	23	31	38
PERU	2	3	1	1	---	1	---	---	2	2	1	1	---	3	---	---
PHILIPPINES, REP.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
POLAND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PORTUGAL	---	---	---	1	1	1	1	2	2	1	1	1	---	---	2	1
ROMANIA	---	2	3	1	6	2	---	2	2	5	3	3	2	3	2	1
SAUDI ARABIA	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SOUTH AFRICA	7	6	9	4	4	---	2	---	---	---	---	---	---	---	---	---
SPAIN	1	5	1	3	7	11	7	6	11	5	10	9	18	8	5	10
SWEDEN	45	46	53	63	76	73	75	61	77	82	92	124	92	102	87	82
SWITZERLAND	72	79	56	78	78	87	89	78	121	106	108	77	108	125	131	122
THAILAND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
U.S.S.R. (g)	25	50	29	50	46	37	45	28	33	38	33	47	49	47	48	37
UNITED KINGDOM	1155	1063	1041	1104	1175	910	842	918	930	780	943	961	982	1026	981	1134
VENEZUELA	1	1	---	---	---	---	---	---	1	5	---	1	2	3	5	---
YUGOSLAVIA	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

\* FOOTNOTES FOLLOW TABLE A-4

TABLE A-3  
 U.S. PATENTING BY RESIDENTS  
 OF SELECTED FOREIGN COUNTRIES *(a, b, c)*  
 [Continued]

Country	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
ARGENTINA	19	9	19	8	15	33	36	21	21	24	34	27	33	24	21	44
AUSTRALIA	116	105	97	91	123	108	136	139	123	142	163	142	141	112	116	123
AUSTRIA <i>(d)</i>	136	81	50	15	11	17	23	42	59	55	66	92	72	105	120	128
BELGIUM	46	45	19	11	22	23	46	68	73	55	71	48	51	57	77	68
BOLIVIA	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---
BRAZIL	5	6	4	8	7	1	1	5	8	2	4	7	4	5	6	6
BR. WEST INDIES	---	---	2	3	2	---	1	---	---	---	---	2	---	---	---	---
BULGARIA	1	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CANADA	706	677	719	742	819	750	809	775	660	736	798	737	612	626	607	600
CHILE	1	1	6	6	6	6	2	11	6	9	3	3	7	2	2	5
CHINA, REP. OF	3	6	3	6	6	4	2	4	4	6	5	7	4	3	7	3
COLOMBIA	---	1	24	4	---	1	1	---	---	2	---	4	4	4	1	3
CONGO BRAZZAVILLE	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CUBA	18	14	24	29	26	33	32	16	23	19	37	36	32	37	45	26
CZECHOSLOVAKIA	---	---	---	---	---	6	3	11	23	48	47	58	66	48	48	51
DENMARK	36	40	46	29	54	64	70	42	39	39	60	53	36	36	42	47
FRANCE	340	309	255	208	363	405	426	440	424	440	540	564	493	562	578	617
GERMANY	1209	847	478	235	131	173	352	782	782	993	1296	1233	1424	1520	1916	2066
GREECE	7	1	---	3	---	---	---	---	---	---	---	1	---	---	1	1
HONDURAS	1	1	1	4	---	1	---	---	---	1	5	1	1	1	2	3
HONG KONG	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
HUNGARY <i>(d)</i>	---	---	---	---	---	1	7	6	12	18	23	18	18	31	26	---
ICELAND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
INDIA	6	4	4	3	8	15	16	4	4	5	2	6	11	12	2	6
IRAN <i>(e)</i>	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IRELAND	20	15	16	23	28	19	22	12	20	21	22	17	14	11	15	13
ISRAEL <i>(f)</i>	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---
ITALY	83	83	66	59	72	80	89	101	80	84	97	105	107	93	113	112
JAPAN	10	14	35	28	56	54	63	39	52	45	46	59	36	63	83	77
KOREA	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---
LIECHTENSTEIN	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MEXICO	17	22	18	19	30	23	28	15	19	20	39	28	30	23	23	44
NETHERLANDS	30	44	41	39	61	66	53	60	40	52	76	70	75	89	93	106
NEW ZEALAND	44	35	51	32	48	60	49	66	52	55	56	55	53	37	41	38
NORWAY	38	50	28	62	88	70	55	51	51	50	53	41	43	36	42	46
PERU	1	2	3	3	1	4	---	---	3	2	3	5	1	1	3	1
PHILIPPINES, REP.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
POLAND	---	1	---	---	---	1	---	3	---	4	3	5	1	6	10	13
PORTUGAL	---	1	---	---	2	---	5	1	---	---	---	1	---	---	---	---
ROMANIA	1	---	---	---	1	1	1	---	1	2	1	2	1	2	4	10
SAUDI ARABIA	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SOUTH AFRICA	5	2	5	---	14	29	17	11	8	11	7	29	---	---	---	---
SPAIN	3	10	8	9	14	7	12	19	20	17	18	14	28	23	20	22
SWEDEN	93	114	96	109	155	187	157	137	116	146	156	184	144	174	189	186
SWITZERLAND	129	132	146	146	139	171	161	203	161	199	221	187	192	271	264	277
THAILAND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
U.S.S.R. <i>(g)</i>	22	28	30	10	9	7	4	5	---	---	3	2	5	11	8	19
UNITED KINGDOM	1164	1039	898	911	1347	1288	1239	1277	1198	1343	1319	1218	1110	1130	1316	1229
VENEZUELA	1	---	---	1	---	3	1	1	1	2	1	1	1	5	2	4
YUGOSLAVIA	---	---	---	---	---	---	---	1	2	---	2	2	3	3	2	1

\* FOOTNOTES FOLLOW TABLE A-4

TABLE A-3  
 U.S. PATENTING BY RESIDENTS  
 OF SELECTED FOREIGN COUNTRIES <sup>(a, b, c)</sup>  
 [Continued]

Country	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946
ARGENTINA	38	30	29	20	19	29	27	21	22	24	23	24	16	23	25	29
AUSTRALIA	111	96	69	90	84	70	44	68	46	36	36	42	25	27	21	23
AUSTRIA	130	156	143	138	127	102	105	112	120	63	26	7	5	---	---	1
BELGIUM	96	92	60	49	55	56	54	71	65	52	44	25	30	15	13	1
BOLIVIA	---	---	---	---	---	---	---	---	---	1	---	---	---	1	---	---
BRAZIL	11	2	9	5	7	7	3	3	4	9	10	9	5	11	9	6
BR. WEST INDIES	---	---	---	---	1	---	2	2	1	4	---	2	1	1	---	2
BULGARIA	---	---	1	---	---	---	1	---	1	---	---	---	---	---	---	---
CANADA	541	527	452	485	444	420	418	367	345	372	355	310	259	260	255	223
CHILE	2	6	5	3	4	10	2	3	4	5	3	3	2	2	4	2
CHINA, REP. OF	1	3	7	2	4	2	3	4	6	7	2	2	2	1	---	---
COLOMBIA	3	2	3	3	---	1	---	1	3	2	1	3	2	2	---	---
CONGO BRAZZAVILLE	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CUBA	29	30	19	17	17	10	15	15	11	16	16	13	14	18	15	9
CZECHOSLOVAKIA	52	55	54	40	43	49	46	54	49	54	32	10	13	6	1	1
DENMARK	44	32	49	39	29	38	30	41	54	44	33	17	16	16	6	1
FRANCE	756	741	690	632	550	507	559	533	634	376	334	210	182	134	100	39
GERMANY	2479	2751	2854	2482	2196	2068	2106	2205	2480	2595	2218	1468	722	641	243	100
GREECE	---	1	1	---	1	---	3	---	---	---	2	---	---	---	---	---
HONDURAS	1	1	4	1	2	---	---	1	2	2	---	---	---	1	---	1
HONG KONG	---	---	---	---	---	---	---	---	---	---	---	2	---	---	---	---
HUNGARY	58	45	51	43	38	27	28	25	48	63	37	29	11	1	7	3
ICELAND	---	---	1	---	1	---	---	---	---	1	---	---	---	---	1	---
INDIA	7	12	7	2	5	4	3	7	4	3	5	5	1	6	5	3
IRAN <sup>(a)</sup>	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IRELAND	16	10	15	7	5	4	7	6	12	17	5	4	3	6	3	---
ISRAEL <sup>(f)</sup>	3	2	1	1	1	1	---	2	3	3	2	3	3	3	4	2
ITALY	148	142	109	110	98	83	88	82	91	97	92	82	27	52	28	10
JAPAN	81	76	76	57	73	51	68	87	57	44	36	20	7	15	5	9
KOREA	---	---	---	---	1	---	---	2	1	---	---	---	---	---	---	---
LIECHTENSTEIN	---	---	---	---	---	2	1	---	---	---	---	---	---	---	---	---
MEXICO	27	20	17	23	27	23	18	20	23	19	19	15	12	9	6	12
NETHERLANDS	127	149	174	184	197	181	192	195	238	236	203	134	93	62	20	9
NEW ZEALAND	33	31	32	26	22	19	21	22	20	14	12	10	8	2	6	4
NORWAY	57	52	51	28	35	37	24	31	26	25	28	14	14	10	6	1
PERU	---	1	3	2	1	2	1	3	3	---	---	---	---	3	3	---
PHILIPPINES, REP.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1
POLAND	12	16	11	10	15	11	16	10	16	16	4	5	3	---	---	1
PORTUGAL	1	1	---	---	---	---	---	1	1	1	1	---	---	3	2	1
ROMANIA	9	1	4	6	4	4	1	4	5	7	4	3	1	---	1	---
SAUDI ARABIA	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SOUTH AFRICA	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	21
SPAIN	41	32	25	35	26	31	21	11	8	8	4	2	5	2	10	4
SWEDEN	228	211	281	221	193	221	186	181	242	226	208	159	126	104	117	91
SWITZERLAND	313	421	341	329	284	274	251	215	286	283	279	249	192	175	219	175
THAILAND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
U.S.S.R.	19	6	1	3	2	5	4	---	1	8	2	4	6	---	---	---
UNITED KINGDOM	1358	1548	1458	1361	1320	1329	1228	1311	1347	1344	1181	1031	779	872	943	861
VENEZUELA	4	6	2	2	2	3	6	2	1	6	4	3	2	3	---	1
YUGOSLAVIA	1	2	1	4	---	---	2	2	5	3	---	---	1	1	---	---

\* FOOTNOTES FOLLOW TABLE A-4

TABLE A-3  
 U.S. PATENTING BY RESIDENTS  
 OF SELECTED FOREIGN COUNTRIES *(a, b, c)*  
 [Continued]

Country	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
ARGENTINA	22	24	24	25	33	57	54	42	23	40	45	49	31	30	16	14
AUSTRALIA	12	37	68	68	69	80	55	47	38	61	47	44	48	45	59	84
AUSTRIA	1	1	8	21	44	57	51	53	28	58	63	83	85	58	89	130
BELGIUM	21	16	31	47	91	90	76	73	62	72	68	84	97	76	108	107
BOLIVIA	---	---	---	---	1	1	---	2	3	1	---	1	---	---	---	---
BRAZIL	1	7	10	7	11	20	11	10	13	2	18	13	16	5	8	20
BR. WEST INDIES	1	2	2	2	---	2	1	---	6	8	3	---	---	---	---	---
BULGARIA	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1
CANADA	216	289	403	492	556	522	453	412	391	498	478	591	668	625	639	708
CHILE	---	3	4	6	4	2	2	3	1	6	6	4	3	3	2	5
CHINA, REP. OF	1	1	---	5	1	1	3	1	---	2	3	1	1	---	3	2
COLOMBIA	1	---	1	3	2	4	6	4	1	1	4	3	6	3	1	3
CONGO BRAZZAVILLE	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CUBA	14	9	10	20	23	18	12	19	9	19	8	17	28	10	9	13
CZECHOSLOVAKIA	---	5	31	47	96	67	22	11	5	5	17	31	38	44	62	49
DENMARK	6	21	17	60	74	85	32	40	37	50	48	55	56	59	70	68
FRANCE	107	198	374	685	672	746	543	503	397	677	685	766	889	835	896	1051
GERMANY	52	26	13	25	78	256	473	747	818	1608	1490	1893	2313	2186	2341	2875
GREECE	---	1	1	5	1	4	1	---	---	2	2	1	7	4	6	3
HONDURAS	---	1	---	2	---	1	---	---	---	1	---	---	---	---	---	1
HONG KONG	---	---	---	---	1	---	---	1	---	---	---	3	5	4	2	4
HUNGARY	---	2	2	3	11	6	1	1	3	5	6	10	13	17	20	17
ICELAND	---	---	---	---	1	1	---	---	---	1	---	2	1	1	1	---
INDIA	---	2	3	3	3	5	3	6	4	7	2	3	4	2	1	7
IRAN <i>(e)</i>	---	1	---	---	---	---	1	---	---	1	---	---	1	1	1	---
IRELAND	---	---	---	---	---	---	---	---	---	6	---	1	---	---	---	---
ISRAEL <i>(f)</i>	1	3	10	9	12	10	9	10	5	15	9	12	21	8	12	17
ITALY	8	4	13	38	83	106	109	109	112	201	200	223	247	253	263	393
JAPAN	2	---	---	2	3	8	17	21	50	78	129	143	168	232	272	428
KOREA	---	---	---	---	---	---	1	---	1	---	---	---	1	---	---	2
LIECHTENSTEIN	---	---	---	3	3	2	2	7	9	7	3	6	11	10	4	13
MEXICO	17	6	13	14	25	24	25	22	29	21	27	35	39	33	45	94
NETHERLANDS	37	94	268	357	356	435	222	219	210	423	376	422	439	375	406	486
NEW ZEALAND	2	2	7	10	17	19	19	10	9	12	12	8	12	7	10	10
NORWAY	1	7	26	42	53	64	31	39	31	41	49	45	45	38	47	39
PERU	6	2	2	2	4	3	3	3	3	1	1	6	2	5	1	2
PHILIPPINES, REP.	---	3	2	5	---	6	5	2	2	2	3	3	2	1	4	1
POLAND	1	2	---	---	3	6	2	1	---	---	1	---	---	1	2	---
PORTUGAL	2	2	3	1	2	3	---	2	---	1	1	4	1	1	2	3
ROMANIA	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1
SAUDI ARABIA	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---
SOUTH AFRICA	17	13	13	25	27	21	15	18	11	24	18	15	21	20	31	33
SPAIN	8	4	8	18	26	26	20	24	13	26	23	25	21	10	27	18
SWEDEN	97	94	180	294	323	402	256	285	246	339	345	343	441	352	362	417
SWITZERLAND	151	197	307	429	427	520	362	359	340	553	557	651	593	547	630	785
THAILAND	---	---	---	---	---	---	---	---	---	1	---	---	---	1	1	---
U.S.S.R.	---	---	---	1	3	2	---	---	---	---	---	---	---	---	---	3
UNITED KINGDOM	800	896	1225	1587	1692	1870	1382	1283	1120	1714	1474	1734	1913	1867	1872	2280
VENEZUELA	1	---	5	7	13	4	8	7	6	6	8	9	8	12	10	10
YUGOSLAVIA	---	---	---	---	---	1	---	---	1	---	2	---	3	---	3	3

\* FOOTNOTES FOLLOW TABLE A-4

TABLE A-3  
 U.S. PATENTING BY RESIDENTS  
 OF SELECTED FOREIGN COUNTRIES (a, b, c)  
 [Continued]

Country	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976
ARGENTINA	20	27	20	21	16	19	17	24	26	30	30	24	29	24
AUSTRALIA	77	81	119	117	156	121	157	152	206	191	214	252	255	272
AUSTRIA	91	92	147	129	153	167	196	194	251	273	237	301	314	307
BELGIUM	89	131	191	189	176	171	225	234	309	321	287	360	289	352
BOLIVIA					1	2	2	8	7	6	5	5	8	6
BRAZIL	17	10	11	18	15	15	19	19	15	16	19	22	20	22
BR. WEST INDIES	5	8	3	1	5	6	9	1	12	4	10		14	9
BULGARIA		1	1		5	1	7	9	11	10	16	13	24	19
CANADA	638	690	891	969	1021	957	1071	1151	1413	1323	1447	1415	1409	1303
CHILE	1	1	4	1	3	2	9	2	8	4	5	3	10	1
CHINA, REP. OF	4	3	4	2	9	5	5	7	16	8	11			
COLOMBIA	2	3	6	8	5	2	5	6	7	8	7	5	6	6
CONGO BRAZZAVILLE		3						3				5		22
CUBA	9	1	1					1	2	1		1	2	
CZECHOSLOVAKIA	45	34	52	38	96	96	132	122	154	110	95	112	121	111
DENMARK	76	65	93	107	135	86	152	143	179	180	164	193	166	194
FRANCE	868	1041	1387	1469	1584	1471	1839	1771	2251	2269	2189	2626	2436	2519
GERMANY	2356	2444	3360	4014	3804	3489	4556	4496	5586	5797	5661	6243	6171	6320
GREECE	8	1	5	5	13	3	11	8	6	16	14	17	11	14
HONDURAS				1		1	5	3	1	1	2			1
HONG KONG	8	8	8	9	16	11	14	17	34	16	22	20	20	48
HUNGARY	13	20	20	31	23	21	22	37	38	48	46	62	51	77
ICELAND		2	3	2	1	4	1	7	10	9	2	3	8	1
INDIA	4	7	8	5	10	15	18	16	10	19	21	17	13	18
IRAN	1	1	1	2	3	1	1	4	4	3	5	4	5	2
IRELAND		11	7	9	10	10	16	13	33	21	31	20	29	29
ISRAEL	20	26	34	47	53	38	63	46	54	55	86	89	106	107
ITALY	352	312	430	443	494	518	574	596	751	865	791	870	784	788
JAPAN	452	564	945	1142	1505	1536	2225	2720	4154	5301	5157	6116	6574	6780
KOREA		3	2	2		2		3	3	7	5	8	12	7
LIECHTENSTEIN	5	10	15	12	13	16	14	23	28	10	14	15	8	17
MEXICO	93	72	87	99	48	42	70	44	65	43	42	58	76	88
NETHERLANDS	332	357	528	488	515	495	572	553	715	690	707	754	629	771
NEW ZEALAND	13	13	19	11	15	13	17	16	18	26	25	21	27	36
NORWAY	34	45	53	60	50	49	70	71	79	94	97	100	104	114
PERU	1	5	5	3	7	5	5	6	5	5	3	1	7	8
PHILIPPINES, REP.	8	7	2	4	2	4	4	4	7	12	14	6	9	9
POLAND	3	1	9	10	12	25	31	33	31	21	25	27	38	26
PORTUGAL	4	2	2	5	1	7	9	4	7	7	2	6	7	2
ROMANIA	2	2	2	4	6	21	21	37	35	33	25	35	16	15
SAUDI ARABIA		1		1		1		3	1	2	1		2	3
SOUTH AFRICA	31	36	71	49	53	41	68	49	70	55	82	90	73	83
SPAIN	26	24	54	51	49	51	60	61	82	65	89	97	96	109
SWEDEN	397	371	572	542	583	577	682	650	849	783	793	995	995	1111
SWITZERLAND	684	679	886	999	956	836	1078	1124	1291	1326	1351	1484	1473	1500
THAILAND							2	3	1	1		2	1	
U.S.S.R.	15	12	28	66	115	97	159	218	327	355	383	493	407	429
UNITED KINGDOM	1856	1885	2624	2721	2865	2554	3258	3063	3533	3229	2931	3273	3158	3098
VENEZUELA	12	12	11	7	5	13	6	3	13	7	6	8	6	2
YUGOSLAVIA	2	4	3	5	4	4	3	6	9	6	6	13	6	9

\*FOOTNOTES FOLLOW TABLE A-4

TABLE A-4

TRADEMARKS REGISTERED AND RENEWED: 1870 to 1976

YEAR	REGISTERED	RENEWED	YEAR	REGISTERED	RENEWED	YEAR	REGISTERED	RENEWED	YEAR	REGISTERED
1976.....	29,208	6,754	1949.....	15,968	3,788	1922.....	12,793	254	1895.....	1,829
1975.....	30,931	6,132	1948.....	11,472	5,056	1921.....	11,636	117	1894.....	1,806
1974.....	28,099	5,513	1947.....	8,976	6,139	1920.....	10,268	73	1893.....	1,677
1973.....	26,112	5,397	1946.....	8,106	5,725	1919.....	4,208	64	1892.....	1,737
1972.....	23,252	5,637	1945.....	7,490	4,210	1918.....	4,061	38	1891.....	1,762
1971.....	21,019	6,213	1944.....	6,025	4,052	1917.....	5,339	52	1890.....	1,415
1970.....	21,745	6,076	1943.....	5,595	3,835	1916.....	6,791	55	1889.....	1,229
1969.....	20,613	6,176	1942.....	6,795	2,894	1915.....	6,262	57	1888.....	1,059
1968.....	21,528	4,646	1941.....	8,530	2,765	1914.....	6,817	48	1887.....	1,133
1967.....	20,036	3,801	1940.....	9,974	2,547	1913.....	5,065	.....	1886.....	1,029
1966.....	20,259	3,585	1939.....	10,521	1,398	1912.....	5,020	.....	1885.....	1,067
1965.....	18,501	3,165	1938.....	10,204	1,051	1911.....	4,205	.....	1884.....	1,021
1964.....	20,087	2,702	1937.....	11,242	1,524	1910.....	4,239	.....	1883.....	902
1963.....	19,740	2,655	1936.....	10,722	1,888	1909.....	4,184	.....	1882.....	947
1962.....	17,023	2,809	1935.....	10,886	1,874	1908.....	5,191	.....	1881.....	834
1961.....	16,595	3,358	1934.....	11,362	2,445	1907.....	7,878	.....	1880.....	349
1960.....	18,434	3,933	1933.....	9,130	1,671	1906.....	10,568	.....	1879.....	872
1959.....	18,709	3,272	1932.....	9,603	1,587	1905.....	4,490	.....	1878.....	1,455
1958.....	15,351	3,070	1931.....	11,400	1,643	1904.....	2,158	.....	1877.....	1,216
1957.....	17,480	3,488	1930.....	13,246	1,661	1903.....	2,186	.....	1876.....	959
1956.....	20,753	3,756	1929.....	14,514	1,750	1902.....	2,006	.....	1875.....	1,138
1955.....	18,207	4,268	1928.....	14,133	2,049	1901.....	1,928	.....	1874.....	559
1954.....	15,946	3,491	1927.....	14,579	3,063	1900.....	1,721	.....	1873.....	492
1953.....	15,610	3,103	1926.....	14,955	4,273	1899.....	1,649	.....	1872.....	491
1952.....	16,172	3,419	1925.....	13,815	2,278	1898.....	1,238	.....	1871.....	486
1951.....	17,376	3,350	1924.....	15,727	227	1897.....	1,671	.....	1870.....	121
1950.....	16,817	3,564	1923.....	14,834	251	1896.....	1,813	.....		

## FOOTNOTES

TABLE A-2

- a - INCLUDES PATENTS AND DESIGNS 1883 TO 1960; INCLUDES PLANTS 1930-1960.
- b - ALASKA ADMITTED TO THE UNION 1959.
- c - ARIZONA AND NEW MEXICO ADMITTED TO THE UNION 1912.
- d - HAWAII ADMITTED TO THE UNION IN 1960.
- e - IDAHO AND WYOMING ADMITTED TO THE UNION 1890.
- f - MONTANA, WASHINGTON, NORTH DAKOTA, SOUTH DAKOTA ADMITTED TO THE UNION IN 1889.
- g - PATENTS TO DAKOTA TERRITORY ARE SHOWN UNDER NORTH DAKOTA.
- h - OKLAHOMA ADMITTED TO THE UNION IN 1907.
- k - UTAH ADMITTED TO THE UNION IN 1896.

TABLE A-3

- a - INCLUDES PATENTS DESIGNS AND PLANTS.
- b - DATA COMPILED ON THE BASIS OF CITIZENSHIP RATHER THAN RESIDENCE - FROM 1883 TO 1915.
- c - COUNTRIES LISTED ARE THOSE WITH HIGHEST TOTAL U.S. PATENTING DURING THE PERIOD 1883-1975.
- d - AUSTRIA AND HUNGARY WERE PART OF THE AUSTRO HUNGARIAN EMPIRE FROM 1883 TO 1919.
- e - PRIOR TO 1948 IRAN WAS PART OF PERSIA.
- f - ISRAEL AND PALESTINE ARE SHOWN AS A TOTAL SINGLE FIGURE UP TO 1951.
- g - PRIOR TO 1922 THE U.S.S.R. WAS KNOWN AS THE RUSSIAS.