

## Trilateral Statistics

Trilateral Offices General Information

### Budget

Office	Post	1996	1997	1998	1999	2000	2001	2002	2003	Post**	2003	2004
EPO (mil EURO)	Personnel Expenses	684	687	741	818	877	981	610		Personnel Expenses	666	712
	Building Expenses	88	88	60	67	79	99	50		Property and Equipment Maintenance	58	67
	Data Processing	101	68	68	78	87	105	72		EDP Equipment and Maintenance	91	85
	Patent Information	21	27	30	25	30	28	28		Co-operation and Patent Information	26	27
	Financial Expenses	40	26	15	15	3	2	35		General Operating Expenses	42	41
	Other	85	86	90	69	90	96					
	TOTAL	1.019	982	1.004	1.072	1.166	1.311	795		TOTAL	883	932
JPO (mil Yen)	Personnel Expenses	27.180	28.513	28.932	29.381	29.196	28.829	29.350	29.154	General processing work		38.172
	Computerization of Patent Processing	27.598	30.474	32.132	34.384	35.661	35.625	28.063	27.996	Examinations and appeals/trials		23.148
	Examinations and Appeals	8.717	10.177	8.900	4.844	12.819	16.999	23.928	23.674	Information management		11.807
	Patent Protection	6.029	3.829	12.700	9.792	2.810	2.041	6.454	7.041	Publication of patent gazette		4.322
	Developing the Patent Markets	2.221	3.264	2.502	6.304	9.196	6.199	5.716	5.885	Computerisation of patent processing work		52.933
	International Protection of IPRs		7.968	3.283	4.633	5.753	2.011	2.494	2.611	Facility improvement		1.008
	NCIPI in Operating Subsidies							5.502	5.508	NCIPI operation		9.605
	Other	7.255	2.875	6.651	9.962	8.665	15.667	9.354	13.749	Other		646
TOTAL	79.000	87.100	95.100	99.300	104.100	107.371	110.861	115.618			141.641	
USPTO (mil US\$)	Salaries and Benefits	340	353	396	453	518	571	646	674	Salaries and Benefits		714
	Equipment	96	42	67	47	52	76	68	55	Equipment		42
	Rent and Utilities	59	72	58	77	86	84	82	91	Rent and Utilities		115
	Printing	33	40	49	64	56	77	76	69	Printing		89
	Supplies and Materials	12	8	9	7	8	9	10	10	Supplies and Materials		10
	Contracts / Services	159	192	186	211	251	259	206	304	Contracts and Services		301
	Other	2	2	3	4	7	3	8	8	Other Expenses		8
	TOTAL	701	709	768	863	978	1.079	1.096	1.211			1.279

\*\* Post name changes have occurred in 2003 and 2004

## Trilateral Statistics

Trilateral Offices General Information

### Staff

Office	Type	1996	1997	1998	1999	2000	2001	2002	2003		2004
EPO	Patent Examination	1.851	1.943	2.116	2.382	2.653	2.917	3.157	3.307	Patent Examination	3.365
	Appeal	78	78	82	101	107	114	116	123	Appeal	129
	Other	1.742	1.732	1.829	1.818	1.953	2.038	2.148	2.391	Other	2.424
	TOTAL	3.671	3.753	4.027	4.301	4.713	5.069	5.421	5.821	TOTAL	5.918
JPO	Patent Examination	1.073	1.070	1.078	1.084	1.088	1.096	1.105	1.325	Patent Examination	1.243
	Appeal	358	377	383	389	391	393	395	396	Appeal	392
	Other	1.090	1.082	1.070	1.061	1.045	980	970	758	Other	920
	TOTAL	2.521	2.529	2.531	2.534	2.524	2.469	2.470	2.479	TOTAL	2.555
USPTO	Patent Examination	2.434	2.158	2.594	2.940	3.143	3.165	3.489	3.535	UPR Patent Examiners	3.681
	Appeal	84	81	86	102	117	114	110	109	Other Patent Staff	1.520
	Other	2.714	2.975	3.090	3.221	3.134	3.280	3.122	3.079	Design Patent Examiners	72
	TOTAL	5.232	5.214	5.770	6.263	6.394	6.559	6.721	6.723	Managerial, Administrative	1.448
	TOTAL									TOTAL	6.721

### Trilateral Statistics

Trilateral Offices General Information

### Production Figures

Office		1996	1997	1998	1999	2000	2001	2002		2003	2004		
EPO	Searches carried out	European	40.125	42.121	48.875	52.577	53.807	51.220	58.213	Searches carried out	European	71.449	77.984
		PCT	27.082	32.176	39.390	44.974	56.242	56.307	68.421		PCT	69.098	65.898
		Other	18.086	18.510	18.644	18.255	17.974	19.909	14.980		Other	18.084	21.964
		TOTAL	85.293	92.807	106.909	115.806	128.023	127.436	141.614		TOTAL	158.631	165.846
	Examinations (final actions)	European	52.862	45.982	45.935	40.903	45.881	55.284	66.086	Examinations (final actions)	European	73.776	76.328
		PCT	15.680	19.785	25.039	28.996	35.519	41.020	49.438		PCT	35.591	27.805
		Opposition	2.331	2.198	2.469	2.318	2.351	2.091	1.934		Opposition	1.872	1.979
		TOTAL	70.873	67.965	73.443	72.217	83.751	98.395	117.458		TOTAL	111.239	106.112
	Appeals	Technical	862	902	954	1.060	1.139	1.170	1.336	Appeals	Technical	1.363	1.369
		PCT	5	9	8	10	17	24	19		PCT	27	32
		Other	44	52	63	49	51	58	48		Other	35	50
		TOTAL	911	963	1.025	1.119	1.207	1.252	1.403		TOTAL	1.425	1.451
JPO	Applications filed	Domestic	340.101	350.807	359.381	360.180	387.364	386.767	369.458	Applications filed	Domestic	362.711	368.416
		Foreign	36.514	40.765	42.551	45.475	49.501	52.408	51.586		Foreign	50.381	54.665
		TOTAL	376.615	391.572	401.932	405.655	436.865	439.175	421.044		TOTAL	413.092	423.081
	Grants	Domestic	187.681	129.937	125.704	133.960	112.269	109.375	108.515	Grants	Domestic	110.835	112.527
		Foreign	27.419	17.749	15.774	16.099	13.611	12.367	11.503		Foreign	11.676	11.665
		TOTAL	215.100	147.686	141.478	150.059	125.880	121.742	120.018		TOTAL	122.511	124.192
	Applications in appeal	13.667	13.742	14.157	14.650	16.498	19.962	21.847	Applications in appeal	22.217	24.008		
Applications in opposition	-	-	-	-	-	3.536	3.150	Applications in opposition	3.896	-			
USPTO	First actions	174.843	187.978	209.180	230.326	238.438	249.649	271.624	First actions	288.033	288.530		
	PCT Ch II	8.945	11.671	13.030	13.744	15.443	18.179	17.505	PCT Ch II	21.932	16.719		
	Appeals	Contested	3.500	4.328	3.889	3.961	2.860	3.762	3.253	Appeals	Ex-parte Contested	2.683	2.387
		Disposed	3.067	2.911	4.286	4.689	5.134	4.978	4.851		Ex-parte Disposed	3.737	3.355
		Not allowed	2.297	1.953	-	-	-	-	-		Inter-partes contested	101	70
		Pending	6.042	7.852	8.908	8.180	-	-	-		Inter-partes Disposed	154	99
	Interference	Contested	116	282	165	78	137	126	108				
		Disposed	135	124	191	187	189	180	155				
		Pending	314	296	425	316	-	-	-				
	Litigation	Cases filed	53	51	51	69	60	49	49	Litigation	Cases filed	60	66
Cases disposed		61	71	40	78	49	62	55	Cases disposed		54	61	
Cases pending		34	36	47	38	49	40	33	Cases pending		39	42	

## Trilateral Statistics

World-wide Patent activity

Patent applications filing by bloc of origin and type

Origin	Type	1996	1997	1998	1999	2000	2001	2002	2003
EPC states	National	181.520	171.999	193.428	205.149	214.076	214.962	200.903	184.940
	Regional	21.183	24.112	26.371	27.415	29.428	29.992	29.839	30.373
	International (PCT)	18.994	22.481	27.179	30.557	35.857	40.534	42.357	43.286
	TOTAL	221.697	218.592	246.978	263.121	279.361	285.488	273.099	258.599
JPO	National	403.657	407.626	431.224	427.935	464.930	476.196	455.499	435.231
	Regional	9.667	10.543	10.821	11.050	12.564	14.166	11.796	11.123
	International (PCT)	3.861	4.845	6.098	7.473	9.567	11.904	14.063	17.389
	TOTAL	417.185	423.014	448.143	446.458	487.061	502.266	481.358	463.743
USPTO	National	153.381	160.820	191.642	204.651	224.593	232.889	229.600	227.596
	Regional	9.350	9.584	10.542	10.232	10.757	10.683	9.673	10.451
	International (PCT)	20.828	22.736	28.356	31.255	38.007	43.053	41.293	41.030
	TOTAL	183.559	193.140	230.540	246.138	273.357	286.625	280.566	279.077
Others	National	169.128	164.961	158.162	165.997	201.058	217.499	223.695	206.799
	Regional	1.058	1.388	1.651	1.753	2.094	2.257	2.625	3.869
	International (PCT)	3.608	4.360	5.374	7.073	9.809	12.738	12.675	13.490
	TOTAL	173.794	170.709	165.187	174.823	212.961	232.494	238.995	224.158

### Trilateral Statistics

World-wide Patent activity

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

Origin	Type	Filling Bloc	1996	1997	1998	1998	1999	2000	2001	2002	2003
EPC states	National	EPC states	111.249	111.656	115.526	121.377	126.402	130.943	126.559	121.994	123.284
		Japan	8.190	8.151	7.984	7.994	7.865	7.626	7.074	6.084	5.334
		USA	30.910	25.202	23.982	24.036	30.110	33.497	39.032	34.889	33.774
		Others	31.171	25.367	42.135	40.021	38.256	39.475	39.850	34.557	22.548
	Regional	EPC states	174.561	327.045	460.888	461.417	540.335	585.651	620.367	673.349	768.697
		Others	119	226	113	410	107.474	115.616	117.249	87.077	-
	International (PCT)	EPC states	368.359	450.336	560.519	673.644	800.314	947.177	1,188.535	1,306.128	2,011.212
		Japan	15.631	18.475	22.304	22.494	25.842	29.913	35.335	35.965	41.087
		USA	16.200	19.176	22.957	23.165	26.477	29.128	34.047	36.058	40.512
		Others	454.631	627.344	906.783	914.617	1,187.075	1,492.218	2,277.274	2,685.650	3,440.069
Total		1,211.021	1,612.978	2,163.191	2,289.175	2,890.150	3,411.244	4,485.322	5,021.751	6,486.517	
Japan	National	EPC states	5.365	6.023	5.595	5.788	5.449	6.041	5.794	5.158	4.951
		Japan	339.045	349.211	357.379	357.379	357.531	384.201	382.815	365.204	358.184
		USA	39.510	39.165	40.947	40.947	42.900	47.666	55.503	50.742	52.761
		Others	19.737	13.227	27.303	27.110	22.055	27.022	32.072	34.194	19.335
	Regional	EPC states	40.745	121.432	181.736	181.736	210.739	240.562	281.488	250.869	260.673
		Others	5	2	2	18	41.529	47.206	52.784	32.379	-
	International (PCT)	EPC states	53.839	72.324	97.078	104.890	124.220	180.435	260.123	344.154	648.646
		Japan	1.816	2.276	2.959	2.959	3.563	4.678	5.575	6.291	8.078
		USA	3.646	4.612	5.819	5.819	6.882	8.920	11.075	12.728	16.333
		Others	28.048	50.019	73.469	73.953	102.729	186.096	365.734	557.868	925.460
Total		531.756	658.291	792.287	800.599	917.597	1,132.827	1,452.963	1,659.587	2,294.421	
USA	National	EPC states	5.487	5.962	5.536	6.226	6.545	7.514	7.341	7.203	7.230
		Japan	9.412	9.261	9.359	9.359	8.843	9.466	9.131	7.873	7.613
		USA	101.901	119.214	132.767	132.767	146.581	161.786	174.979	179.642	184.758
		Others	31.590	26.383	43.980	43.290	42.682	27.038	41.449	34.646	27.995
	Regional	EPC states	59.234	122.140	171.359	171.359	195.389	240.562	209.784	206.424	245.103
		Others	246	416	515	627	38.069	39.926	38.107	25.642	-
	International (PCT)	EPC states	434.573	499.816	641.923	775.439	854.433	1,186.185	1,347.782	1,624.985	1,983.224
		Japan	19.063	21.213	26.376	26.376	27.630	36.454	38.619	43.685	40.251
		USA	4.991	6.594	8.575	8.575	9.812	13.796	15.928	18.697	18.850
		Others	576.486	780.017	1,166.001	1,164.853	1,409.463	2,086.975	2,850.811	3,639.081	3,593.396
Total		1,242.983	1,591.016	2,206.391	2,338.871	2,739.447	3,809.702	4,733.931	5,787.878	6,108.420	
Others	National	EPC states	4.673	5.059	4.608	4.701	3.994	4.409	4.535	4.732	4.822
		Japan	3.433	3.932	3.937	3.927	3.371	3.980	4.415	4.848	5.838
		USA	17.875	18.524	22.205	22.151	25.544	28.098	32.707	35.030	39.651
		Others	142.787	138.587	131.575	126.928	134.984	165.985	178.143	188.659	156.488
	Regional	EPC states	7.943	16.477	26.290	25.761	31.848	39.590	43.875	55.677	78.194
		Others	211	210	140	785	7.102	8.717	9.278	8.170	-
	International (PCT)	EPC states	110.205	134.577	177.468	210.191	243.853	337.028	486.631	617.221	652.477
		Japan	4.661	5.455	7.077	6.887	7.600	9.886	13.657	16.956	13.175
		USA	3.395	4.205	5.535	5.327	6.400	8.882	12.386	13.951	11.841
		Others	155.030	219.973	339.454	327.964	426.850	631.612	1,064.826	1,331.165	1,200.179
Total		450.213	546.999	718.289	734.622	891.546	1,238.187	1,850.453	2,276.409	2,162.665	

Note: Additional figures were incorporated in this table that are not included in the Trilateral Statistical Report (TSR). Therefore, certain figures will not match figures reported in the TSR.

## Trilateral Statistics

### World-wide Patent Activity

#### Granted Patent Rights by Granting Bloc and Procedure

Granting Bloc	Procedure	1996	1997	1998	1999	2000	2001	2002	2003
EPC states	National	59.874	67.352	70.971	59.286	52.897	45.537	45.735	48.574
	Regional	205.095	187.922	158.063	144.250	107.988	131.625	161.691	225.057
	International	80.565	102.921	115.940	123.388	105.340	143.058	241.531	332.648
	Total	345.534	358.195	344.974	326.924	266.225	320.220	448.957	606.279
Japan	National *	215.100	147.686	141.448	150.059	121.546	116.812	114.930	117.026
	International					4.334	4.930	5.088	5.485
	Total	215.100	147.686	141.448	150.059	125.880	121.742	120.018	122.511
USA	National **	104.587	105.841	137.935	143.137	145.188	150.929	152.057	153.749
	International		6.143	9.585	10.350	12.308	15.109	15.277	15.277
	Total	104.587	111.984	147.520	153.487	157.496	166.038	167.334	169.026
Others	National	90.049	113.704	125.467	131.106	101.015	101.043	105.646	139.262
	Regional	1.114	341	242	1.375	1.535	6.954	2.352	
	International	14.371	12.840	24.279	29.043	35.452	35.683	45.362	
	Total	105.534	126.885	149.988	161.524	138.002	143.680	153.360	139.262
Total		770.755	744.750	783.930	791.994	687.603	751.680	889.669	1.037.078

Missing information correspond to cases where regional or international based grants are including in the national counts

## Trilateral Statistics

### Chapter 3: Worldwide Patent Activities

#### Patent families by Bloc of Origin

Year of priority filings: 1995

Bloc of origin for which priority is claimed	First Filings in Bloc of Origin	Secondary Filings						Trilateral Patent Families from bloc of origin
		Numbers of Priorities claimed in Bloc of origin from:						
		All other Blocs	Other Trilateral Blocs	EPC States	Japan	U.S.A.	Other countries	
EPC States	122 245	34 171 (28,0%)	28 377 (23,2%)	-	18 880 (15,4%)	24 927 (20,4%)	21 525 (17,6%)	15 430 (12,6%)
Japan	333 383	40 183 (12,1%)	38 104 (11,4%)	21 626 (6,5%)	-	35 552 (10,7%)	15 449 (4,6%)	19 074 (5,7%)
U.S.A.	141 783	39 450 (27,8%)	30 512 (21,5%)	28 294 (20,0%)	21 634 (15,3%)	-	30 096 (21,2%)	19 416 (13,7%)
Trilateral blocs subtotal	597 411	113 804 (19,0%)	96 993 (16,2%)	49 920 (10,5%)	40 514 (15,3%)	60 479 (13,3%)	67 070 (11,2%)	53 920 (9,0%)
Other countries	122 210	8 124 (6,6%)	8 124 (6,6%)	4 386 (3,6%)	4 264 (3,5%)	6 343 (5,2%)	-	1 930 (1,6%)
Global total	719 621	121 928 (16,9%)	105 117 (14,6%)	54 306 (9,1%)	44 778 (11,6%)	66 822 (11,6%)	67 070 (11,2%)	55 850 (7,8%)

Percentages are the counts expressed as proportions of the numbers of First Filings in the blocs of origin.

Source: EPO DOCDB database

## Trilateral Statistics

### Chapter 5: Use of the Patent Cooperation Treaty

#### Proportions of families using the PCT route

Year of priority filings: **1995**

Bloc of origin for which priority is claimed	First Filings in Bloc of Origin	Secondary Filings Priority Forming Filings Claimed in Bloc of origin from:						Trilateral Patent Families from bloc of origin
		All other Blocs	Other Trilateral Blocs	EPC States	Japan	U.S.A.	Other countries	
EPC States	17,07%	51,53%	47,05%	-	53,43%	46,59%	67,13%	54,12%
Japan	1,69%	12,61%	12,33%	19,00%	-	11,60%	22,85%	18,52%
U.S.A.	17,47%	56,04%	55,22%	57,88%	56,23%	-	66,60%	60,22%
Trilateral blocs subtotal	8,58%	39,35%	35,63%	41,04%	54,92%	26,02%	56,69%	43,72%
Other countries	2,91%	29,79%	29,79%	46,63%	27,60%	28,66%	-	44,04%
Global total	7,62%	38,71%	35,18%	41,49%	52,32%	26,27%	56,69%	43,73%

Figures indicate the proportions of families that involve usage of the PCT route (as percentages of the numbers of families)

Source: EPO DOCDB database



## Trilateral Statistics

### Chapter 3: Worldwide Patent Activities

#### Patent families by Bloc of Origin

Year of priority filings: **1996**

Bloc of origin for which priority is claimed	First Filings in Bloc of Origin	Secondary Filings						Trilateral Patent Families from bloc of origin
		Numbers of Priorities claimed in Bloc of origin from:						
		All other Blocs	Other Trilateral Blocs	EPC States	Japan	U.S.A.	Other countries	
EPC States	131 059	39 546 (30,2%)	32 728 (25,0%)	-	21 237 (16,2%)	28 745 (21,9%)	25 237 (19,3%)	17 254 (13,2%)
Japan	338 477	43 605 (12,9%)	41 417 (12,2%)	23 569 (7,0%)	-	38 594 (11,4%)	17 382 (5,1%)	20 746 (6,1%)
U.S.A.	133 237	45 217 (33,9%)	34 171 (25,6%)	31 567 (23,7%)	23 762 (17,8%)	-	35 112 (26,4%)	21 158 (15,9%)
Trilateral blocs subtotal	602 773	128 368 (21,3%)	108 316 (18,0%)	55 136 (11,7%)	44 999 (17,0%)	67 339 (14,3%)	77 731 (12,9%)	59 158 (9,8%)
Other countries	130 953	9 664 (7,4%)	9 664 (7,4%)	5 014 (3,8%)	4 952 (3,8%)	7 501 (5,7%)	-	2 347 (1,8%)
Global total	733 726	138 032 (18,8%)	117 980 (16,1%)	60 150 (10,0%)	49 951 (12,6%)	74 840 (12,5%)	77 731 (12,9%)	61 505 (8,4%)

Percentages are the counts expressed as proportions of the numbers of First Filings in the blocs of origin.

Source: EPO DOCDB database

## Trilateral Statistics

### Chapter 5: Use of the Patent Cooperation Treaty

#### Proportions of families using the PCT route

Year of priority filings: 1996

Bloc of origin for which priority is claimed	First Filings in Bloc of Origin	Secondary Filings Priority Forming Filings Claimed in Bloc of origin from:						Trilateral Patent Families from bloc of origin
		All other Blocs	Other Trilateral Blocs	EPC States	Japan	U.S.A.	Other countries	
EPC States	19,35%	54,96%	50,41%	-	58,11%	49,77%	71,54%	58,82%
Japan	2,14%	14,78%	14,41%	21,83%	-	13,72%	26,28%	21,54%
U.S.A.	21,94%	58,46%	57,23%	60,21%	57,97%	-	69,05%	62,52%
Trilateral blocs subtotal	10,26%	42,54%	38,42%	43,80%	58,04%	29,11%	60,29%	47,07%
Other countries	3,27%	27,62%	27,62%	44,52%	26,29%	26,17%	-	39,41%
Global total	9,01%	41,49%	37,54%	43,86%	54,89%	28,81%	60,29%	46,78%

Figures indicate the proportions of families that involve usage of the PCT route (as percentages of the numbers of families)

Source: EPO DOCDB database

## Trilateral Statistics

### Chapter 3: Worldwide Patent Activities

#### Patent families by Bloc of Origin

Year of priority filings: **1997**

Bloc of origin for which priority is claimed	First Filings in Bloc of Origin	Secondary Filings						Trilateral Patent Families from bloc of origin
		Numbers of Priorities claimed in Bloc of origin from:						
		All other Blocs	Other Trilateral Blocs	EPC States	Japan	U.S.A.	Other countries	
EPC States	137 579	43 005 (31,3%)	35 086 (25,5%)	-	22 145 (16,1%)	30 476 (22,2%)	27 940 (20,3%)	17 535 (12,7%)
Japan	348 585	47 066 (13,5%)	44 676 (12,8%)	25 196 (7,2%)	-	41 312 (11,9%)	18 189 (5,2%)	21 832 (6,3%)
U.S.A.	155 176	51 890 (33,4%)	39 227 (25,3%)	36 322 (23,4%)	26 883 (17,3%)	-	41 259 (26,6%)	23 978 (15,5%)
Trilateral blocs subtotal	641 340	141 961 (22,1%)	118 989 (18,6%)	61 518 (12,2%)	49 028 (16,7%)	71 788 (14,8%)	87 388 (13,6%)	63 345 (9,9%)
Other countries	128 208	11 681 (9,1%)	11 681 (9,1%)	5 857 (4,6%)	5 667 (4,4%)	9 088 (7,1%)	-	2 646 (2,1%)
Global total	769 548	153 642 (20,0%)	130 670 (17,0%)	67 375 (10,7%)	54 695 (13,0%)	80 876 (13,2%)	87 388 (13,6%)	65 991 (8,6%)

Percentages are the counts expressed as proportions of the numbers of First Filings in the blocs of origin.

Source: EPO DOCDB database

## Trilateral Statistics

### Chapter 5: Use of the Patent Cooperation Treaty

#### Proportions of families using the PCT route

Year of priority filings: **1997**

Bloc of origin for which priority is claimed	First Filings in Bloc of Origin	Secondary Filings Priority Forming Filings Claimed in Bloc of origin from:						Trilateral Patent Families from bloc of origin
		All other Blocs	Other Trilateral Blocs	EPC States	Japan	U.S.A.	Other countries	
EPC States	20,54%	57,23%	52,03%	-	60,72%	50,41%	73,77%	60,19%
Japan	2,45%	16,46%	15,90%	24,53%	-	14,80%	30,57%	23,79%
U.S.A.	22,67%	62,40%	60,83%	63,85%	62,04%	-	72,56%	66,77%
Trilateral blocs subtotal	11,23%	45,60%	40,95%	47,75%	61,44%	29,92%	64,21%	50,13%
Other countries	3,98%	28,29%	28,29%	47,31%	30,88%	26,27%	-	47,39%
Global total	10,02%	44,29%	39,82%	47,71%	58,28%	29,51%	64,21%	50,03%

Figures indicate the proportions of families that involve usage of the PCT route (as percentages of the numbers of families)

Source: EPO DOCDB database

## Trilateral Statistics

### Chapter 3: Worldwide Patent Activities

#### Patent families by Bloc of Origin

Year of priority filings: **1998**

Bloc of origin for which priority is claimed	First Filings in Bloc of Origin	Secondary Filings						Trilateral Patent Families from bloc of origin
		Numbers of Priorities claimed in Bloc of origin from:						
		All other Blocs	Other Trilateral Blocs	EPC States	Japan	U.S.A.	Other countries	
EPC States	143 947	46 316 (32,2%)	37 095 (25,8%)	-	23 502 (16,3%)	31 287 (21,7%)	30 647 (21,3%)	17 694 (12,3%)
Japan	355 999	47 952 (13,5%)	45 246 (12,7%)	26 073 (7,3%)	-	40 844 (11,5%)	19 422 (5,5%)	21 671 (6,1%)
U.S.A.	156 048	56 919 (36,5%)	42 987 (27,5%)	40 174 (25,7%)	28 883 (18,5%)	-	45 886 (29,4%)	26 070 (16,7%)
Trilateral blocs subtotal	655 994	151 187 (23,0%)	125 328 (19,1%)	66 247 (12,9%)	52 385 (17,5%)	72 131 (14,4%)	95 955 (14,6%)	65 435 (10,0%)
Other countries	143 409	12 659 (8,8%)	12 659 (8,8%)	6 173 (4,3%)	5 466 (3,8%)	9 867 (6,9%)	-	2 523 (1,8%)
Global total	799 403	163 846 (20,5%)	137 987 (17,3%)	72 420 (11,0%)	57 851 (13,0%)	81 998 (12,7%)	95 955 (14,6%)	67 958 (8,5%)

Percentages are the counts expressed as proportions of the numbers of First Filings in the blocs of origin.

Source: EPO DOCDB database

## Trilateral Statistics

### Chapter 5: Use of the Patent Cooperation Treaty

#### Proportions of families using the PCT route

Year of priority filings: **1998**

Bloc of origin for which priority is claimed	First Filings in Bloc of Origin	Secondary Filings Priority Forming Filings Claimed in Bloc of origin from:						Trilateral Patent Families from bloc of origin
		All other Blocs	Other Trilateral Blocs	EPC States	Japan	U.S.A.	Other countries	
EPC States	22,36%	60,31%	54,38%	-	63,68%	51,73%	76,61%	62,04%
Japan	2,86%	19,47%	18,93%	28,69%	-	16,79%	34,46%	26,63%
U.S.A.	25,56%	65,32%	63,88%	66,68%	65,88%	-	75,33%	70,41%
Trilateral blocs subtotal	12,54%	49,24%	44,34%	51,73%	64,90%	31,94%	67,47%	53,65%
Other countries	4,30%	30,87%	30,87%	53,25%	37,71%	26,82%	-	53,86%
Global total	11,06%	47,82%	43,10%	51,86%	62,33%	31,33%	67,47%	53,66%

Figures indicate the proportions of families that involve usage of the PCT route (as percentages of the numbers of families)

Source: EPO DOCDB database

## Trilateral Statistics

### Chapter 3: Worldwide Patent Activities

#### Patent families by Bloc of Origin

Year of priority filings: **1999**

Bloc of origin for which priority is claimed	First Filings in Bloc of Origin	Secondary Filings						Trilateral Patent Families from bloc of origin
		Numbers of Priorities claimed in Bloc of origin from:						
		All other Blocs	Other Trilateral Blocs	EPC States	Japan	U.S.A.	Other countries	
EPC States	148 100	50 560 (34,1%)	38 367 (25,9%)	-	23 857 (16,1%)	30 657 (20,7%)	34 570 (23,3%)	16 147 (10,9%)
Japan	357 095	52 957 (14,8%)	49 464 (13,9%)	29 627 (8,3%)	-	42 497 (11,9%)	21 854 (6,1%)	22 660 (6,3%)
U.S.A.	176 890	67 194 (38,0%)	47 728 (27,0%)	44 873 (25,4%)	30 757 (17,4%)	-	55 708 (31,5%)	27 902 (15,8%)
Trilateral blocs subtotal	682 085	170 711 (25,0%)	135 559 (19,9%)	74 500 (14,0%)	54 614 (16,8%)	73 154 (14,5%)	112 132 (16,4%)	66 709 (9,8%)
Other countries	191 364	13 741 (7,2%)	13 741 (7,2%)	6 589 (3,4%)	5 952 (3,1%)	10 163 (5,3%)	-	2 387 (1,2%)
Global total	873 449	184 452 (21,1%)	149 300 (17,1%)	81 089 (11,2%)	60 566 (11,7%)	83 317 (12,0%)	112 132 (16,4%)	69 096 (7,9%)

Percentages are the counts expressed as proportions of the numbers of First Filings in the blocs of origin.

Source: EPO DOCDB database

Year of priority filings: **2000**

Bloc of origin for which priority is claimed	First Filings in Bloc of Origin	Secondary Filings						Trilateral Patent Families from bloc of origin
		Numbers of Priorities claimed in Bloc of origin from:						
			Other Trilateral					

## Trilateral Statistics

### Chapter 5: Use of the Patent Cooperation Treaty

#### Proportions of families using the PCT route

Year of priority filings: **1999**

Bloc of origin for which priority is claimed	First Filings in Bloc of Origin	Secondary Filings Priority Forming Filings Claimed in Bloc of origin from:						Trilateral Patent Families from bloc of origin
		All other Blocs	Other Trilateral Blocs	EPC States	Japan	U.S.A.	Other countries	
EPC States	24,55%	63,67%	55,75%	-	66,02%	51,42%	81,28%	62,69%
Japan	3,56%	21,83%	20,68%	30,26%	-	16,98%	39,30%	26,27%
U.S.A.	27,68%	68,89%	65,86%	68,40%	67,67%	-	78,71%	71,94%
Trilateral blocs subtotal	14,38%	52,74%	45,87%	53,23%	66,95%	31,41%	71,82%	54,19%
Other countries	4,12%	32,68%	32,68%	55,93%	39,06%	25,79%	-	50,73%
Global total	12,13%	51,25%	44,66%	53,45%	64,21%	30,73%	71,82%	54,07%

Figures indicate the proportions of families that involve usage of the PCT route (as percentages of the numbers of families)

Source: EPO DOCDB database

Year of priority filings: **2000**

Bloc of origin for which priority is claimed	First Filings in Bloc of Origin	Secondary Filings Priority Forming Filings Claimed in Bloc of origin from:						Trilateral Patent Families from bloc of
			Other Trilateral					



## Trilateral Statistics

### Chapter 3: Worldwide Patent Activities

#### Patent families by Bloc of Origin

		All other Blocs	Blocs	EPC States	Japan	U.S.A.	Other countries	origin
EPC States	150 869	57 536 (38,1%)	45 678 (30,3%)	-	23 669 (15,7%)	43 418 (28,8%)	38 847 (25,7%)	21 409 (14,2%)
Japan	381 986	64 477 (16,9%)	60 655 (15,9%)	33 287 (8,7%)	-	57 698 (15,1%)	26 536 (6,9%)	30 330 (7,9%)
U.S.A.	208 327	77 297 (37,1%)	52 213 (25,1%)	48 887 (23,5%)	31 245 (15,0%)	-	64 725 (31,1%)	27 919 (13,4%)
Trilateral blocs subtotal	741 182	199 310 (26,9%)	158 546 (21,4%)	82 174 (13,9%)	54 914 (15,3%)	101 116 (19,0%)	130 108 (17,6%)	79 658 (10,7%)
Other countries	225 952	17 017 (7,5%)	17 017 (7,5%)	7 126 (3,2%)	6 463 (2,9%)	14 627 (6,5%)	-	3 226 (1,4%)
Global total	967 134	216 327 (22,4%)	175 563 (18,2%)	89 300 (10,9%)	61 377 (10,5%)	115 743 (15,3%)	130 108 (17,6%)	82 884 (8,6%)

Percentages are the counts expressed as proportions of the numbers of First Filings in the blocs of origin.

## Trilateral Statistics

### Chapter 5: Use of the Patent Cooperation Treaty

#### Proportions of families using the PCT route

		All other Blocs	Blocs	EPC States	Japan	U.S.A.	Other countries	origin
EPC States	26,88%	64,65%	56,51%	-	68,83%	57,08%	84,25%	68,77%
Japan	4,33%	23,41%	21,93%	33,14%	-	20,57%	43,76%	31,65%
U.S.A.	28,81%	73,49%	69,29%	71,81%	69,84%	-	83,43%	74,32%
Trilateral blocs subtotal	15,80%	54,74%	47,49%	56,15%	69,40%	36,25%	75,58%	56,58%
Other countries	4,78%	34,56%	34,56%	59,08%	44,48%	32,43%	-	59,89%
Global total	13,23%	53,15%	46,24%	56,38%	66,78%	35,77%	75,58%	56,71%

Figures indicate the proportions of families that involve usage of the PCT route (as percentages of the numbers of families)

## Trilateral Statistics

### Trilateral Patent Statistics

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

Office	Bloc of Origin	1996	1997	1998	1999	2000	2001	2002	2003	2004
EPO	EPC states	31.490	36.510	41.190	45.028	49.785	53.737	53.475	58.315	61.189
	Japan	11.357	12.856	13.813	14.604	17.096	19.845	15.908	18.527	20.584
	USA	18.638	20.497	23.502	25.393	28.488	30.450	30.213	31.893	32.625
	Others	2.415	3.041	3.582	4.297	5.340	5.993	6.729	8.056	9.308
	Total	63.900	72.904	82.087	89.322	100.709	110.025	106.325	116.791	123.706
JPO	EPC states	14.676	14.265	17.368	18.984	20.209	21.832	20.513	18.419	21.516
	Japan	340.101	350.807	359.381	360.180	387.364	386.767	369.458	362.711	368.416
	USA	16.795	18.806	18.985	20.411	22.665	23.386	22.714	21.682	22.995
	Others	5.043	7.694	6.198	6.080	6.627	7.190	8.359	10.280	10.154
	Total	376.615	391.572	401.932	405.655	436.865	439.175	421.044	413.092	423.081
USPTO	EPC states	31.230	33.249	35.809	44.660	44.750	50.607	52.621	49.762	52.459
	Japan	39.037	41.753	44.133	47.821	51.029	60.555	58.739	60.350	64.812
	USA	106.892	120.445	135.742	149.825	163.699	174.709	184.245	188.941	189.536
	Others	17.567	19.810	21.910	27.881	36.448	40.637	38.840	43.388	50.136
	Total	194.726	215.257	237.594	270.187	295.926	326.508	334.445	342.441	356.943

## Trilateral Statistics

### Trilateral Patent Statistics

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

Office	Technical field	1996	1997	1998	1999	2000	2001	2002	2003	2004
EPO	Human necessities	8.943	10.317	11.591	12.895	14.187	15.795	15.872	17.956	20.187
	Performing operations	12.025	13.500	15.159	16.321	17.796	18.472	17.388	19.296	20.383
	Chemistry; Metallurgy	12.182	13.813	14.746	15.448	17.183	18.737	18.803	19.275	19.229
	Textiles; paper	1.172	1.354	1.615	1.631	1.669	1.623	1.702	1.828	1.937
	Fixed constructions	2.087	2.363	2.745	2.945	3.174	3.161	3.102	3.178	3.399
	Mechanical engineering	5.302	5.864	6.901	7.373	8.166	8.640	8.461	9.245	9.924
	Physics	11.027	12.651	14.090	15.234	17.981	20.636	20.611	23.316	24.654
	Electricity	11.153	12.904	15.387	17.442	20.501	22.842	20.349	22.528	23.899
JPO	Human necessities	32.171	33.814	37.473	37.607	46.760	47.852	47.495	54.096	NA
	Performing operations	68.941	70.390	73.511	70.564	76.185	74.127	70.991	74.455	NA
	Chemistry; Metallurgy	38.515	38.732	43.344	40.446	49.564	50.465	49.512	55.805	NA
	Textiles; paper	4.947	5.101	5.142	4.982	5.477	5.620	5.022	5.308	NA
	Fixed constructions	19.228	18.953	18.972	18.306	18.487	17.200	15.438	14.918	NA
	Mechanical engineering	31.750	32.734	34.280	32.278	35.094	35.265	34.534	36.823	NA
	Physics	82.223	85.779	89.619	88.582	107.762	109.321	101.469	105.891	NA
	Electricity	76.755	81.934	87.406	85.387	93.988	96.247	93.154	99.966	NA
USPTO	Human necessities	36.561	36.778	41.557	44.797	45.529	49.848	55.424	56.894	57.539
	Performing operations	35.452	39.293	42.677	43.453	44.322	49.174	51.424	50.419	50.115
	Chemistry; Metallurgy	29.991	24.335	26.070	30.223	30.827	35.325	34.374	33.309	31.911
	Textiles; paper	4.076	1.846	1.894	2.242	2.287	2.212	2.299	2.291	2.249
	Fixed constructions	5.485	6.028	6.477	5.993	6.113	6.448	7.427	7.517	7.888
	Mechanical engineering	12.683	14.257	15.522	16.508	16.838	19.280	20.834	20.784	21.238
	Physics	41.743	50.353	58.501	67.759	79.614	92.448	89.227	97.674	104.906
	Electricity	32.080	42.367	50.364	59.212	70.396	71.773	73.436	73.553	81.062

## Trilateral Statistics

### Trilateral Patent Statistics

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

Office	Bloc of Origin	1996	1997	1998	1999	2000	2001	2002	2003	2004
EPO	EPC states	3.769	4.549	5.493	6.748	8.411	10.283	10.322	10.869	11.437
	Japan	2.687	3.069	3.379	3.738	4.395	5.253	4.028	4.938	5.573
	USA	4.248	4.795	5.461	6.310	7.837	8.604	8.949	9.185	8.905
	Others	368	529	720	950	1.349	1.399	1.790	2.151	2.825
JPO	EPC states	1.514	1.057	1.069	1.958	2.776	2.462	3.944	2.240	4.144
	Japan	44.915	47.576	49.180	62.907	77.848	56.947	75.472	75.363	81.345
	USA	3.028	3.172	2.138	3.919	5.660	4.567	6.606	4.481	6.818
	Others	1.009	1.057	1.069	1.223	1.600	1.267	2.184	2.146	3.031
USPTO	EPC states	4.613	4.989	6.257	8.561	11.231	12.320	11.750	12.588	14.077
	Japan	10.806	13.036	14.689	13.224	18.462	20.883	19.940	21.449	23.669
	USA	25.671	30.013	37.722	44.209	61.570	63.040	60.906	64.718	68.141
	Others	4.635	5.237	7.379	7.914	10.939	11.563	12.497	15.192	18.686

## Trilateral Statistics

### Trilateral Patent Statistics

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

Office	Bloc of Origin	1996	1997	1998	1999	2000	2001	2002	2003	2004
EPO	EPC states	19.214	19.430	18.376	17.877	13.536	18.330	25.495	32.091	31.458
	Japan	9.601	8.980	7.702	7.141	5.498	6.580	8.250	10.293	10.441
	USA	10.131	9.981	9.380	9.156	7.428	8.583	11.842	15.090	14.202
	Others	1.123	1.255	1.260	1.183	1.061	1.209	1.794	2.515	2.629
	Total	40.069	39.646	36.718	35.357	27.523	34.702	47.381	59.989	58.730
JPO	EPC states	11.396	7.422	6.843	6.843	5.229	5.067	4.732	4.729	4.679
	Japan	187.681	129.937	125.704	125.704	112.269	109.375	108.515	110.835	112.527
	USA	14.103	8.646	7.046	7.046	6.007	6.020	5.588	5.476	5.256
	Others	1.920	1.681	1.855	1.855	2.375	1.280	1.183	1.471	1.730
	Total	215.100	147.686	141.448	141.448	125.880	121.742	120.018	122.511	124.192
USPTO	EPC states	17.844	18.635	25.693	25.693	26.324	28.459	28.428	28.209	26.246
	Japan	23.052	23.179	30.841	30.841	31.296	33.224	34.859	35.516	35.350
	USA	61.107	61.707	80.292	80.292	85.072	87.610	86.980	87.901	84.271
	Others	7.643	8.463	10.694	10.694	14.805	16.752	17.067	17.400	18.426
	Total	109.646	111.984	147.520	147.520	157.497	166.045	167.334	169.026	164.293

## Trilateral Statistics

### Trilateral Patent Statistics

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

Figures indicate the proportion of patents maintained at the end of each patent year

Patent year	EPO	JPO	USPTO
1	100,0%	100,0%	100,0%
2	100,0%	100,0%	100,0%
3	94,9%	100,0%	100,0%
4	88,2%	100,0%	100,0%
5	81,8%	99,8%	85,3%
6	78,3%	97,6%	85,3%
7	73,9%	94,1%	85,3%
8	68,0%	93,1%	85,3%
9	62,1%	91,1%	64,6%
10	56,7%	89,5%	64,1%
11	51,3%	87,3%	63,0%
12	46,8%	82,9%	63,0%
13	43,0%	77,7%	43,1%
14	39,4%	71,5%	41,6%
15	36,3%	65,4%	40,9%
16	33,6%	59,6%	40,9%
17	30,9%	54,6%	39,3%
18	28,4%	48,6%	39,0%
19	26,2%	40,9%	37,1%
20	24,9%	33,2%	36,8%

## Trilateral Statistics

### Trilateral Patent Statistics

#### Statistics on the Procedures

Item	Office	1996	1997	1998	1999	2000	2001	2002	2003	2004
examination rate	EPO	91	91	91	91	91	90	89	87	88
	JPO	45	47	48	48	53	54	54	54	55
	USPTO	100	100	100	100	100	100	100	100	100
grant rate	EPO	67	68	67	64	57	60	58	59	55
	JPO	-	66	65	64	60	56	52	51	50
	USPTO	67	69	70	70	71	70	65	64	61
opposition rate	EPO	6	6	6	6	6	5,7	5,4	5,2	5,3
	JPO	-	4	5	5	4	3,3	3,3	3,5	-
	USPTO	-	-	-	-	-	-	-	-	-
maintenance rate	EPO	67	69	70	65	68	68,4	67,4	64,0	65,0
	JPO	-	-	-	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
	USPTO	-	-	-	-	-	-	-	-	-
appeal rate - on examinations	EPO	48	51	51	51	46	48	45	43	40
	JPO	-	-	-	-	-	-	-	-	-
	USPTO	5	7	6	6	-	5	4	3	3
- on oppositions	EPO	41	41	40	43	45	49	49	50	50
	JPO	-	-	-	-	-	-	-	-	-
	USPTO	-	-	-	-	-	-	-	-	-
- on examinations and oppositions *)	EPO	-	-	-	-	-	-	-	-	-
	JPO	13.667	13.742	14.157	14.157	16.948	19.962	21.847	22.217	24.008
	USPTO	-	-	-	-	-	-	-	-	-
pending applications in search	EPO	59.600	57.900	67.700	77.600	90.100	109.800	118.300	102.700	104.400
	JPO	-	-	-	-	-	-	-	-	-
	USPTO	-	-	-	-	-	-	-	-	-
pendency search in months	EPO	19	17	17	19	21	27,3	26,0	18,5	17,4
	JPO	-	-	-	-	-	-	-	-	-
	USPTO	-	-	-	-	-	-	-	-	-
applications awaiting request for examination	EPO	11.200	11.100	14.500	16.200	15.790	15.760	16.410	21.270	20.170
	JPO	2.148.126	2.143.765	2.155.566	2.155.566	2.152.416	2.175.739	2.189.727	2.181.211	2.275.207
	USPTO	-	-	-	-	-	-	-	-	-
pending applications in examination	EPO	120.200	127.000	139.500	157.700	191.600	212.200	223.700	232.100	263.500
	JPO	-	-	-	-	433.020	478.363	500.420	521.435	615.431
	USPTO	290.500	267.662	362.797	362.797	547.626	n.a.	n.a.	n.a.	n.a.
Pendency first office action in months	EPO	-	16	18	18	21	20,7	23,0	20,8	21,7
	JPO	22	21	19	19	21	22,0	24,0	25,0	26,0
	USPTO	-	10	13	13	13	14,4	16,6	18,3	2,0
pendency examination in months	EPO	24	29	33	39	50	46,1	27,7	37,7	41,4
	JPO	-	-	-	-	27	27,7	28,7	31,1	31,6
	USPTO	22	23	24	24	25	24,7	24,8	26,7	28,0
pending applications in opposition	EPO	3.720	3.730	3.270	3.030	2.470	1.360	1.250	1.630	2.400
	JPO	-	-	-	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
	USPTO	-	-	-	-	-	-	-	-	-
pendency opposition in months	EPO	17	18	14	14	12	6,6	6,6	8,8	11,8
	JPO	-	-	-	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
	USPTO	-	-	-	-	-	-	-	-	-

\*) Only JPO numbers are available



## Trilateral Statistics

### Trilateral Patent Statistics

#### PCT Activities of the Trilateral Offices

Office	Activity	1996	1997	1998	1999	2000	2001	2002	2003	2004
EPO	Receiving office	5.766	6.376	8.311	10.528	13.245	15.358	14.816	15.865	18.527
	International searches	28.250	33.110	41.710	47.420	57.210	65.986	60.424	60.852	62.957
	International Preliminary examination	18.110	22.010	27.600	31.770	38.863	45.938	41.053	31.440	21.477
JPO	Receiving office	3.834	4.815	6.063	7.209	9.448	11.687	13.880	17.096	19.850
	International searches	3.605	4.604	5.640	7.003	8.961	11.091	13.161	16.142	18.693
	International Preliminary examination	1.605	2.139	2.754	3.541	4.608	6.139	7.076	6.812	4.196
USPTO	Receiving office	20.504	22.456	27.891	29.138	38.093	43.214	41.278	41.298	43.157
	International searches	11.914	9.750	12.859	14.116	17.503	19.412	25.524	26.464	26.572
	International Preliminary examination	8.736	9.233	12.003	14.615	18.110	21.243	24.591	19.668	9.661

## Trilateral Statistics

### Other Work of the Trilateral Offices

#### Other work

Office	Activity	1996	1997	1998	1999	2000	2001	2002	2003	2004
EPO	Search for national offices and third parties	18490	18660	18900	17630	18888	18480	16940	18080	21960
JPO	Design	40192	39865	39352	37368	38496	39423	37230	39267	40756
	Utility model patent	14082	12048	10917	10283	9587	8806	8603	8169	7986
	Trademark	188160	133160	112469	121469	145668	123754	117406	123325	128843
USPTO	Design patent	15161	16546	17107	14732	18292	18820	20904	22602	23975
	Plant	665	621	720	421	797	944	1144	985	1221
	Re-issue	592	548	594	448	761	823	982	1051	934
	Trademark	212510	225517	246611	319880	361775	294358	264053	273715	304461