# **REISSUE PATENTS**

JANUARY 1, 1977 -- DECEMBER 31, 2015

March 2016 U.S. PATENT AND TRADEMARK OFFICE ELECTRONIC INFORMATION PRODUCTS DIVISION - PTMT P.O. Box 1450 ALEXANDRIA, VA 22313-1450 tel (571) 272-5600 / FAX (571) 273-0110



A PATENT TECHNOLOGY MONITORING TEAM REPORT

## Reissue Patents Report 1/1/1977 - 12/31/2015 Explanation of Data

This Patent Technology Monitoring Team (PTMT) report profiles patent activity for U.S. reissue patents (hereafter referred to as patents) granted between **January 1, 1977** and **December 31, 2015**. The source of the data used for this report is the TAF database maintained by the U.S. Patent and Trademark Office.

## Data Distribution By Date of Grant and By Date of Application

## Parts A1 and A2

Part A1 distributes patent GRANT data by year of patent grant ("Patents Granted By Date of Patent Grant"). Part A2 distributes grant data by the year in which the patented applications were filed ("Patents Granted By Date of Patent Application"). Parts A1 and A2 each provide patent counts (pages A1-1 and A2-1) and percent distributions (pages A1-2 and A2-2). Patent data, as shown in the "**Pre 2002**" column, correspond to the period **1977** through **2001**.

## Part B

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

DATA FOR THOSE APPLICATIONS WHICH WERE FILED BUT NEVER ISSUED (HISTORICALLY ABOUT 35% OF TOTAL FILINGS) ARE NOT INCLUDED IN THIS REPORT.

Since the average time period between the filing for a utility patent and its final disposition (e.g., issued as a patent or abandoned) is now about **26** months (i.e., the patent's "pendency"), the patented application data for applications filed in the most recent years are incomplete.\* This is because the patents included in this report are limited to those **granted** during the specified time period. However, a significant number of the applications filed during the most recent years of this time period were still pending at the end of the reporting period. While many of these applications eventually will be patented, they will not be patented until sometime following the end of the reporting period. Note that a patent's "pendency" can be quite variable from one patent to another thereby affecting the date of patent grant. Such variation in pendency is determined by many factors, including U.S. Patent and Trademark Office (USPTO) workload which varies between technologies, budget and manpower levels, patent printing schedules, etc.

Patented application data are of significant value since the date an application was filed more accurately reflects when the technology was developed. Additionally, fluctuations in data based on application date are much more likely to reflect changes in technological activity since, for the most part, such fluctuations would be immune from many of the changes in USPTO processing such as those that occurred in years such as in 1986 and 2005 when the USPTO issued fewer patents than would have normally been expected due to administrative reasons.

"Patents Granted By Date of Patent Application", as shown in the "**Pre 2002**" column, correspond to patents granted during the reporting period but filed prior to **2002**.

## Parts of the Report

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

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

Note that for a patent, the country of origin may differ from the country of ownership. Therefore, the sum of U.S. <u>origin</u> patents may not equal the sum of U.S. <u>ownership</u> category patents.

**Part B** is a ranked listing of national and international organizations (i.e., corporations, universities, government agencies) that have received **5** or more U.S. patents since **1977**. Data line 1 for each listed organization distributes counts of patent grants by year of grant. Data line 2 for each organization redistributes those same patent grants by year in which the patented applications were filed. Patent ownership information reflects ownership at the time of patent grant. Although a substantial effort has been made to combine name variations into a single organizational name, many organizations continue to have patents listed under more than one organizational name.

\* For example, in a report profiling utility patents granted through **December 2015**, patent grant data, as distributed by year of application, are approximately 97% complete for utility patent applications filed in 2007, 97% complete for filings in 2008, 91% complete for filings in 2009, 86% complete for filings in 2010, 83% complete for filings in 2011, 69% complete for filings in 2012, 43% complete for filings in 2013, and 16% complete for filings in 2014; data are essentially complete for applications filed prior to 2007. About 90% of all patent documents granted (i.e., utility, design, plant, and reissue patents, statutory invention registrations, and defensive publications) are utility patents. Currently, completion percentages restricted to **reissue patents** are not available.

Part A1

Patent Grants as Distributed By Year of Patent Grant

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Patents Granted By Date Of Patent Grant (Granted: Jan 01, 1977 - Dec 31, 2015) ----

		 Pre 2002	2002	2003	2004	2005	2006	NU 2007	MBER OF 2008	PATENTS 2009	2010	2011	2012	2013	2014	2015	 Total	
		FIG 2002	2002	2003	2004	2005	2000	2007	2008	2009	2010	ZUTT	ZUIZ	2013	2014	2012	IOTAL	
Tota	al	8272	460	421	298	245	519	508	647	453	947	1029	822	798	626	512	16557	
	.S. Origin	5537	262	222	159	136	295	280	333	236	463	557	401	393	302	278	9854	
	oreign Origin	2735	198	199	139	109	223	228	314	230	484	472	421	405	324	234	6703	
10		2.00	_,,,															
	JAPAN	1169	87	98	67	55	115	106	143	90	204	181	153	121	96	83	2768	
	GERMANY	392	23	21	12	10	13	20	19	19	40	27	33	26	32	22	709	
	KOREA, SOUTH	24	11	2	5	6	12	12	22	19	68	75	70	95	60	38	519	
	UNITED KINGDOM	276	18	8	8	4	10	12	19	9	24	19	27	16	24	16	490	
	CANADA	142	11	16	8	3	16	12	17	12	21	31	18	20	25	10	362	
	FRANCE	166	10	18	12	7	7	8	12	8	16	19	8	9	5	7	312	
	TAIWAN	18	5	8	1	4	5	8	17	15	47	38	24	23	14	7	234	
	ITALY	97	5	6	3	1	3	9	9	4	8	9	10	7	2	5	178	
	SWEDEN	72	7	2	1	1	4	10	10	10	10	11	6	5	2	4	155	
	NETHERLANDS	81	3	4	3	3	5		3	2	4	5	12	16	11	3	155	
	SWITZERLAND	76	2		3		5	3	5	4	4	3	7	6	4	4	126	
	ISRAEL	27	4	2	1	5	5	9	8	3	4	12	6	9	6	1	102	
	AUSTRALIA	38	3	2			7	5	6	3	4	3	3	7	6	2	89	
	FINLAND	12	1	2	1		2	1	2	1	7	7	14	11	11	9	81	
	DENMARK	31		2	2	1	3	3	1	1	2	6	5		2	2	61	
	AUSTRIA	21	2	4	1	1		1	4		1	3		10	5	2	55	
	BELGIUM	17	3	3			1	1	3	4	2	1	4	2	2	1	44	
	SPAIN	6			3	2	2	2	4	2	2	3	2	3	1	1	33	
	CHINA, PEOPLE'S REPU	в			1				1	2		6	3	7	8	4	32	
	NORWAY	16			1	1	1				3	1	1	2		1	27	
	NEW ZEALAND	12					1	2		1	2	3		1			22	
	CHINA, HONG KONG S.A			1	1	2			1	1	2	3	1		1	3	20	
	SINGAPORE	1				2	2	2	2	1	3		1	1	4		19	
	RUSSIAN FEDERATION	3			1			1	1	1	1		1	1		1	11	
	INDIA						1		1		1	1	4	2		1	11	
	SOUTH AFRICA	5	1							1	1		1		1		10	
	MEXICO	2			1								1	1	1		6	
	HUNGARY	2											1	1		1	5	
	LUXEMBOURG	2	1				1				1						5	
	INDONESIA	4															4	
	THAILAND	1						1		2							4	
	ARGENTINA	2					1		1								4	
	UKRAINE					1						1			1	1	4	
	TURKEY												1	1		2	4	
	IRELAND	2								1							3	
	BRAZIL	3															3	
	Others ( 24 )	11	1		3		2		3	1	2	4	4	2		3	36	
Owne	ership:																	
υ.	.S. Corporations	4525	211	198	136	114	254	242	297	203	367	528	411	358	298	263	8405	
υ.	.S. Government	28			1	1	2	1		4	2	3	2	5	5		54	
	.S. Individuals	1143	58	32	24	25	38	45	41	37	94	69	36	37	26	30	1735	
U.																		
υ.																		
	oreign Corporations	2298	179	179	130	99	212	211	294	186	420	409	364	383	288	209	5861	
Fc		2298 23	179 1	179 1	130	99	212	211 2	294	186	420	409 1	364 1	383 1	288	209	5861 30	

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#### Patents Granted By Date Of Patent Grant (Granted: Jan 01, 1977 - Dec 31, 2015) ----

							PE	RCENT OF	DATENTO								
	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	 Total	
	116 2002	2002	2005	2001	2005	2000	2007	2000	2005	2010	2011	2012	2015	2014	2015	IOCAI	
Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
U.S. Origin	67	57	53	53	56	57	55	51	52	49	54	49	49	48	54	60	
Foreign Origin	33	43	47	47	44	43	45	49	48	51	46	51	51	52	46	40	
JAPAN	14	19	23	22	22	22	21	22	20	22	18	19	15	15	16	17	
GERMANY	5	5	5	4	4	3	4	3	4	4	3	4	3	5	4	4	
KOREA, SOUTH		2		2	2	2	2	3	4	7	7	9	12	10	7	3	
UNITED KINGDOM	3	4	2	3	2	2	2	3	2	3	2	3	2	4	3	3	
CANADA	2	2	4	3	1	3	2	3	3	2	3	2	3	4	2	2	
FRANCE	2	2	4	4	3	1	2	2	2	2	2	1	1	1	1	2	
TAIWAN		1	2		2	1	2	3	3	5	4	3	3	2	1	1	
ITALY	1	1	1	1		1	2	1	1	1	1	1	1		1	1	
SWEDEN	1	2				1	2	2	2	1	1	1	1		1	1	
NETHERLANDS	1	1	1	1	1	1						1	2	2	1	1	
SWITZERLAND	1			1		1	1	1	1			1	1	1	1	1	
ISRAEL		1			2	1	2	1	1		1	1	1	1		1	
AUSTRALIA		1				1	1	1	1				1	1		1	
FINLAND										1	1	2	1	2	2	0	
DENMARK				1		1	1				1	1				0	
AUSTRIA			1					1					1	1		0	
BELGIUM		1	1						1							0	
SPAIN				1	1			1								0	
CHINA, PEOPLE'S REPU	В										1		1	1	1	0	
NORWAY																0	
NEW ZEALAND																0	
CHINA, HONG KONG S.A	•				1										1	0	
SINGAPORE					1									1		0	
RUSSIAN FEDERATION																0	
INDIA																0	
SOUTH AFRICA																•	
MEXICO																0 0	
HUNGARY																0	
LUXEMBOURG																	
INDONESIA THAILAND																0	
ARGENTINA																0	
UKRAINE																0	
TURKEY																0	
IRELAND																0	
BRAZIL																0	
Others ( 24 )				1											1	0	
				-											-	v	
Ownership:																	
U.S. Corporations	55	46	47	46	47	49	48	46	45	39	51	50	45	48	51	51	
U.S. Government									1				1	1		0	
U.S. Individuals	14	13	8	8	10	7	9	6	8	10	7	4	5	4	6	10	
Foreign Corporations	28	39	43	44	40	41	42	45	41	44	40	44	48	46	41	35	
Foreign Government																0	
Foreign Individuals	3	2	3	2	2	3	1	2	5	7	2	1	2	1	2	3	

Part A2

Patent Grants as Distributed By Year of Patent Application

Page A2- 1

---- Patents Granted By Date Of Patent Application (Granted: Jan 01, 1977 - Dec 31, 2015) ----

						N	UMBER (	OF PATENT	ED APPLI	CATIONS							
	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total	
			2000	2001				2000	2005							10001	
Total	10395	578	541	548	576	576	523	470	417	445	462	505	400	120	1	16557	
U.S. Origin	6597	307	320	292	308	304	291	255	225	210	241	254	188	61	1	9854	
Foreign Origin	3798	271	221	252	268	272	232	215	192	235	221	251	212	59	-	6703	
Foreign origin	3790	2/1	221	250	200	2/2	232	215	192	235	221	231	212			0703	
JAPAN	1644	141	113	108	93	98	80	83	83	99	61	72	70	23		2768	
GERMANY	495	19	20	21	18	11	10	21	16	13	24	20	16	5		709	
KOREA, SOUTH	4JJ 69	15	10	30	33	24	54	37	25	67	51	52	40	12		519	
UNITED KINGDOM	352	23	11	10	9	15	8	8	2.5	9	7	11	15	3		490	
CANADA	195	15	9	14	14	14	21	15	12	9	15	16	13	5		362	
FRANCE	236	10	7	10	11	11	3	2	8	3	4	3	4			312	
TAIWAN	36	8	8	13	44	39	26	12	11	8		15		2		234	
ITALY	123	3	6	3	44 6	14	20	2	1	° 5	3	4	4	1		178	
SWEDEN	108	2	1	4	3	16	4	4	1	5	3	1	12	1		155	
NETHERLANDS	108	4	5	4	1	10	7	4 8	2	5	3	13	6	1		155	
SWITZERLAND	88	4 5	4	6 4	5	1	3	8	2	1	5	3	3	1		135	
ISRAEL	88 51	5	4	4	5	5	2	2	3	2	5	3 4	1	1		126	
AUSTRALIA	55	3	* 2	* 5	8 4	2	2	5	4	1	6	± 3	1	1		89	
FINLAND	28	3	2	2	4 5	4	2	3	4	2	7	3	8	2		89	
DENMARK	23 41	2	2	3	1		2	3	2	1	1	3	3	1		61	
AUSTRIA	30	3	2	2	1	1	2	1	2	2	3	7	1	-		55	
BELGIUM	30	5	2	2	1	1	2	1	2	1	3	'	3			44	
SPAIN	14	3	3	5	1	1		2	1	1	1	1	1	1		33	
CHINA, PEOPLE'S REPUB		5	1	1	2	2		2	1	2	3	11	5	1		32	
NORWAY	18	2	2	1	2	2		2	1	1	5	11	1	-		27	
NEW ZEALAND	16	2	1	2	2		1	2		1			1			27	
CHINA, HONG KONG S.A.		1	1	2	4	1	-		2	1	1	2		2		20	
SINGAPORE	8	-	-	1	1	1	2		1	1	-	2	2	-		19	
RUSSIAN FEDERATION	5		1	-	2	1	4	1	-	-		2	1			11	
INDIA	2		1		1	-	1	4		1			1			11	
SOUTH AFRICA	6		1		-		-	-	1	-	2		-			10	
MEXICO	2		1				2		-		4	1				6	
HUNGARY	2	1	-		1		-		1			-				5	
LUXEMBOURG	3	-	1		-			1	-							5	
INDONESIA	4		-					-								4	
THAILAND	1					3										4	
ARGENTINA	3	1				5										4	
UKRAINE	1	-		1							1		1			4	
TURKEY	-			1					1		-		2			4	
IRELAND	2			_	1				_				_			3	
BRAZIL	3				-											3	
Others ( 24 )	17	3	1	1	3	4	1		1		2	1	1	1		36	
··· · ·																	
Ownership:																	
U.S. Corporations	5470	252	276	275	268	265	247	248	224	181	230	243	170	55	1	8405	
U.S. Government	34	1	1	3	1	3	3				1	3	4			54	
U.S. Individuals	1303	52	43	32	54	56	49	35	17	22	20	21	20	11		1735	
Foreign Corporations	3247	254	215	229	218	221	204	178	171	238	207	228	198	53		5861	
Foreign Government	28	2														30	
Foreign Individuals	313	17	6	9	35	31	20	9	5	4	4	10	8	1		472	

#### ---- Patents Granted By Date Of Patent Application (Granted: Jan 01, 1977 - Dec 31, 2015) ----

						I	PERCENT C	OF PATENT	ED APPLI	CATIONS							
	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total	
Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
U.S. Origin	63	53	59	53	53	53	56	54	54	47	52	50	47	51	100	60	
Foreign Origin	37	47	41	47	47	47	44	46	46	53	48	50	53	49		40	
JAPAN	16	24	21	20	16	17	15	18	20	22	13	14	18	19		17	
GERMANY	5	3	4	4	3	2	2	4	4	3	5	4	4	4		4	
KOREA, SOUTH	1	3	2	5	6	4	10	8	6	15	11	10	10	10		3	
UNITED KINGDOM	3	4	2	2	2	3	2	2	2	2	2	2	4	3		3	
CANADA	2	3	2	3	2	2	4	3	3	2	3	3	3			2	
FRANCE	2	2	1	2	2	2	1		2	1	1	1	1			2	
TAIWAN		1	1	2	8	7	5	3	3	2	1	3	2	2		1	
ITALY	1	1	1	1	1	2	1			1	1	1	1	1		1	
SWEDEN	1			1	1	3	1	1		1	1		1	1		1	
NETHERLANDS	1	1	1	1				2			2	3	2	1		1	
SWITZERLAND	1	1	1	1	1		1				1	1	1	1		1	
ISRAEL	-	1	1	1	1	1		1	1		2	1		1		1	
AUSTRALIA	1	1		1	1				1		1	1		1		1	
FINLAND			1		1	1	1	1	1		2	2	2	2		0	
DENMARK				1		1							1	1		0	
AUSTRIA		1									1	1	_			0	
BELGIUM		-	_	-							1		1	_		0	
SPAIN	_	1	1	1							-	•	-	1		0	
CHINA, PEOPLE'S REPU	3										1	2	1	1		0	
NORWAY NEW ZEALAND																0 0	
														2		0	
CHINA, HONG KONG S.A SINGAPORE	•												1	2		0	
RUSSIAN FEDERATION													1			0	
INDIA								1								0	
SOUTH AFRICA								1								0	
MEXICO																0	
HUNGARY																0	
LUXEMBOURG																0	
INDONESIA																ő	
THAILAND						1										0	
ARGENTINA						_										0	
UKRAINE																0	
TURKEY													1			0	
IRELAND																0	
BRAZIL																0	
Others ( 24 )		1			1	1								2		0	
Ownership:																	
U.S. Corporations	53	44	51	50	47	46	47	53	54	41	50	48	43	46	100	51	
U.S. Government				1		1	1					1	1			0	
U.S. Individuals	13	9	8	6	9	10	9	7	4	5	4	4	5	9		10	
Foreign Corporations	31	44	40	42	38	38	39	38	41	53	45	45	50	44		35	
Foreign Government																0	
Foreign Individuals	3	3	1	2	6	5	4	2	1	1	1	2	2	1		3	

Part B

Ranked Listing of Organizations with Patent Grants

As Distributed By Year of Patent Grant and As Distributed By Year of Patent Application

	Pre															
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
LG ELECTRONICS INC.																
Patents By Year of Grant:	7	0	0	0	2	3	4	6	4	43	50	33	41	21	11	225
Patents By Year of Application:	11	0	5	9	19	17	45	23	14	28	20	12	14	8	0	225
TOWN GODDODATION																
SONY CORPORATION Patents By Year of Grant:	38	4	5	7	3	1	5	10	6	19	12	15	21	19	17	182
Patents By Year of Application:	67	4 6	1	13	6	6	4	18	9	8	14	15	13	19	0	182
ratents by rear of Apprication.	07	Ū	-	15	U	U	-	10	,	U	11	10	15	-	Ū	102
HITACHI, LTD																
Patents By Year of Grant:	108	6	8	4	1	8	11	6	4	5	8	4	2	0	0	175
Patents By Year of Application:	134	11	3	5	5	4	3	1	3	3	2	1	0	0	0	175
SAMSUNG ELECTRONICS CO., LTD.																
Patents By Year of Grant:	9	9	0	5	3	7	7	6	14	19	12	17	14	21	13	156
Patents By Year of Application:	44	8	3	13	10	7	7	4	5	8	17	10	19	1	0	156
TOSHIBA CORPORATION																
Patents By Year of Grant:	36	4	2	1	2	4	2	6	6	15	24	17	23	3	6	151
Patents By Year of Application:	50	5	4	5	4	13	3	11	20	22	5	3	3	3	0	151
MATSUSHITA ELECTRIC INDUSTRIAL CO., I	LTD. 41	5	4	9	12	26	23	25	1	0	1	0	0	0	0	147
Patents By Year of Grant: Patents By Year of Application:	103	10	4 26	9	12	26 0	23	25	0	0	0	0	0	0	0	147
ratents by rear of Apprication.	105	10	20	,	-	U	Ū	Ū	Ū	Ū	U	U	Ū	Ū	Ū	11/
CANON KABUSHIKI KAISHA																
Patents By Year of Grant:	37	2	2	1	4	2	2	7	2	3	10	4	7	15	5	103
Patents By Year of Application:	54	2	2	1	3	3	3	4	2	4	9	7	9	0	0	103
GENERAL ELECTRIC COMPANY																
Patents By Year of Grant:	76	1	0	1	0	3	2	2	2	4	2	0	2	0	4	99
Patents By Year of Application:	79	1	5	1	2	4	2	0	0	0	1	1	3	0	0	99
SEIKO EPSON CORPORATION										_						
Patents By Year of Grant:	17	6	10	2	2	5	5	8	3	8	9	9	7	4	4	99
Patents By Year of Application:	45	7	3	1	6	2	7	4	4	6	7	3	4	0	0	99
Paragania Corporation																
Panasonic Corporation Patents By Year of Grant:	0	0	0	0	0	0	0	2	27	33	10	12	5	6	0	95
Patents By Year of Grant: Patents By Year of Application:	22	6	0	8	9	9	11	2	27	33	10	12	5	0	0	95
ratenes by rear or Apprication:	44	0	,	0	3	3	11	,	5	5	-	3	-	0	U	25
MITSUBISHI DENKI KABUSHIKI KAISHA																
Patents By Year of Grant:	47	2	2	2	2	2	1	5	2	5	2	3	3	3	0	81
Patents By Year of Application:	58	2	3	2	3	3	3	2	0	4	0	0	1	0	0	81

---- Technology Assessment and Forecast Report ----

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	Organizational	Patenting
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	Pre															
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
INTERNATIONAL BUSINESS MACHINES CORPO	ORATION															
Patents By Year of Grant:	52	2	5	1	1	2	1	2	1	1	1	0	1	2	0	72
Patents By Year of Application:	61	1	3	2	1	0	0	0	3	0	0	0	1	0	0	72
Apple, Inc.																
Patents By Year of Grant:	3	0	1	5	2	2	4	3	7	5	7	7	8	2	9	65
Patents By Year of Application:	17	8	7	4	2	7	1	2	4	3	4	2	4	0	0	65
···· · · · · · · · · · · · · · · · · ·																
RICOH COMPANY, LTD.																
Patents By Year of Grant:	23	3	3	1	1	1	6	5	3	6	5	5	0	1	1	64
Patents By Year of Application:	37	3	8	3	3	2	2	1	2	1	0	0	2	0	0	64
	•	-	•	-	-	-	-	-	-	-	•	•	-	•	•	<del>.</del> -
MICRON TECHNOLOGY, INC.																
Patents By Year of Grant:	30	3	3	0	3	6	3	4	5	2	0	1	0	1	2	63
Patents By Year of Application:	47	6	3	1	0	1	1	0	0	0	4	0	ů 0	0	0	63
			-	-		-	-	÷	•	•	-	•	•	•	•	
AT&T CORP.																
Patents By Year of Grant:	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60
Patents By Year of Application:	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60
		· ·	· ·	•	•	•	· ·	•	· ·	· ·	· ·	· ·	· ·	Ū	•	
EASTMAN KODAK COMPANY																
Patents By Year of Grant:	46	1	2	1	0	1	2	0	0	3	1	1	0	0	0	58
Patents By Year of Application:	52	0	0	1	1	1	1	0	2	0	0	0	0	0	0	58
FUJITSU LIMITED																
Patents By Year of Grant:	27	3	3	1	2	1	2	6	1	1	5	3	1	1	0	57
Patents By Year of Application:	42	1	3	1	1	5	0	0	0	4	0	0	0	0	0	57
		_	-	_	_	-	-	-	-	_	-	-	-	-	-	
MINNESOTA MINING AND MANUFACTURING C	OMPANY															
Patents By Year of Grant:	55	0	1	0	0	0	0	0	0	0	0	0	0	0	0	56
Patents By Year of Application:	56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56
		-		, ,	-	-	-	-	-		-		-	-	,	
E. I. DU PONT DE NEMOURS AND COMPANY																
Patents By Year of Grant:	47	1	1	0	0	1	0	2	0	0	0	0	0	3	0	55
Patents By Year of Application:	48	2	0	1	1	0	0	0	0	0	0	2	1	0	0	55
		-	•	-	-	÷	•	÷	•	•	•	-	-	•	•	
NIKON CORPORATION																
Patents By Year of Grant:	24	4	5	5	1	3	2	1	0	2	0	0	0	0	0	47
Patents By Year of Application:	44	0	0	2	0	0	1	0	0	0	0	0	0	0	0	47
		2	2	-	2	-	-	-	-	-	-	-	-	-	2	
SHARP KABUSHIKI KAISHA (SHARP CORPOR	ATION)															
Patents By Year of Grant:	11	2	1	0	1	1	1	0	1	1	1	9	11	5	2	47
Patents By Year of Application:	17	1	1	0	0	1	2	2	3	- 7	- 8	1	3	1	0	47
		-	-	5	5	-	-	-	-		÷	-	-	-	5	

	Pre															
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
INTEL CORPORATION	_		_		_					-		-			_	
Patents By Year of Grant: Patents By Year of Application:	5 14	0 4	1 7	3 6	1	4	4	2	3	5	0	1	3	8	5	45 45
Patents by fear of Application:	14	-	,	0	3	T	-	0	2	3	1	Ŧ	4	U	U	40
BAYER AKTIENGESELLSCHAFT																
Patents By Year of Grant:	40	1	0	1	0	1	1	0	0	0	0	0	0	0	0	44
Patents By Year of Application:	41	1	2	0	0	0	0	0	0	0	0	0	0	0	0	44
TOYOTA JIDOSHA K.K.																
Patents By Year of Grant:	9	3	1	1	2	4	1	2	1	5	7	3	0	2	0	41
Patents By Year of Application:	17	3	1	7	1	3	2	3	3	1	0	0	0	0	0	41
CATERPILLAR INC.																
Patents By Year of Grant:	33	1	0	0	1	0	1	1	0	2	0	0	1	0	0	40
Patents By Year of Application:	35	1	0	0	0	2	0	2	0	0	0	0	0	0	0	40
ELECTRONICS AND TELECOMMUNICATIONS RES	ידאסמע ד	NOTITE														
Patents By Year of Grant:	0	0	0	0	0	1	0	3	0	1	4	0	21	4	5	39
Patents By Year of Application:	1	1	1	1	3	0	2	1	1	14	10	4	0	0	0	39
	_	_	_	_	-	-	_	_	_			_	-	-		
NOKIA CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	1	0	2	1	3	4	7	10	7	4	39
Patents By Year of Application:	4	2	2	1	3	3	1	3	3	2	4	7	3	1	0	39
Round Rock Research, LLC																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	8	13	7	7	2	2	39
Patents By Year of Application:	0	0	3	2	2	1	16	2	5	3	1	4	0	0	0	39
NEG CORDORATION																
NEC CORPORATION Patents By Year of Grant:	19	2	0	2	0	1	2	2	1	3	1	2	2	0	0	37
Patents By Year of Application:	23	2	4	2	2	2	0	0	0	2	0	0	0	0	0	37
racened by rear or apprication.	10	-	-	-	-	-	Ŭ	v	v	-	Ŭ	v	v	v	Ū	57
XEROX CORPORATION																
Patents By Year of Grant:	25	0	1	1	1	1	1	2	0	1	2	0	0	0	0	35
Patents By Year of Application:	28	3	0	1	0	0	1	0	1	1	0	0	0	0	0	35
MASSACHUSETTS INSTITUTE OF TECHNOLOGY																
Patents By Year of Grant:	18	1	0	0	0	1	0	0	1	3	1	2	0	4	2	33
Patents By Year of Application:	20	1	0	1	0	1	0	2	1	1	0	1	5	0	0	33
U.S. PHILIPS CORPORATION	22	1	0	0	0	0	0	0	•	0	0	0	0	0	0	
Patents By Year of Grant:	32 33	1	0	0	0	0	0	0	0	0	0	0	0	0	0	33 33
Patents By Year of Application:	33	0	U	U	U	U	U	U	0	U	0	U	U	U	0	33

---- Technology Assessment and Forecast Report ----

Organizational Patenting				(Grante	d: Jan 0	1, 1977	- Dec 31	, 2015)	R	anked Li	st of Or	ganizati	ons with	5 or	More Pat	cents
	Pre															
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
ELI LILLY AND COMPANY																
Patents By Year of Grant:	19	2	1	0	0	5	0	1	1	1	1	1	0	0	0	32
Patents By Year of Application:	25	1	3	0	1	0	0	0	0	1	1	0	0	0	0	32
Intersil Americals LLC																
Patents By Year of Grant:	0	0	0	0	2	0	0	1	1	1	9	6	4	4	4	32
Patents By Year of Application:	0	1	1	0	2	2	1	5	3	5	5	4	1	2	0	32
TEXAS INSTRUMENTS, INCORPORATED																
Patents By Year of Grant:	22	0	1	0	0	0	1	0	0	1	3	1	1	2	0	32
Patents By Year of Application:	23	0	1	1	1	1	1	0	2	0	1	0	1	0	0	32
3M INNOVATIVE PROPERTIES COMPANY																
Patents By Year of Grant:	5	2	5	0	2	1	2	3	3	1	3	1	1	1	1	31
Patents By Year of Application:	16	3	1	3	1	1	3	0	0	0	1	1	0	1	0	31
ADC TELECOMMUNICATIONS, INC.																
Patents By Year of Grant:	1	1	1	0	0	0	1	3	5	5	3	2	3	4	2	31
Patents By Year of Application:	7	0	1	1	4	1	3	4	3	1	2	3	1	0	0	31
EATON CORPORATION							_			<u>,</u>			<u>,</u>	•		~ ~
Patents By Year of Grant:	28	1	0	1	0	0	1	0	0	0	0	0	0	0	0	31
Patents By Year of Application:	30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	31
Intellectual Ventures I LLC																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	3	15	8	2	2	30
Patents By Year of Application:	6	0	0	0	2	4	1	2	7	1	2	2	3	0	0	30
RCA CORPORATION																
Patents By Year of Grant:	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
Patents By Year of Application:	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
ASAHI KOGAKU KOGYO KABUSHIKI KAISHA																
Patents By Year of Grant:	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
Patents By Year of Application:	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
L'OREAL S.A.																
Patents By Year of Grant:	5	2	10	3	3	1	1	1	0	1	1	0	0	1	0	29
_	26	2	10	3	3	0	0	0	0	0	0	0	0	0	0	29
Patents By Year of Application:	20	U	T	T	T	U	U	U	U	U	U	U	U	U	U	29
SIEMENS AKTIENGESELLSCHAFT																
Patents By Year of Grant:	13	2	5	2	0	1	0	0	1	0	0	3	2	0	0	29
Patents By Year of Application:	22	3	1	2	0	0	0	0	0	0	1	0	0	0	0	29

	Pre															
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
DOW CHEMICAL COMPANY																
Patents By Year of Grant:	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
Patents By Year of Application:	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
UNIVERSITY OF CALIFORNIA, THE REGENTS	5 OF 7	1	-	0	0	1	1	3	3	3	4	2	0	2	0	28
Patents By Year of Grant: Patents By Year of Application:	11	0	1	1	0	8	0	1	3	1	4 2	2	0	2	0	28
Fatences by rear of Apprication:		U	-	-	0	0	U	-	5	-	2	U	U	U	U	20
STMICROELECTRONICS S.R.L.																
Patents By Year of Grant:	8	2	3	3	0	0	0	1	0	3	1	1	2	1	2	27
Patents By Year of Application:	16	1	4	0	0	0	0	0	0	2	0	1	3	0	0	27
OLYMPUS OPTICAL CO., LTD.																
Patents By Year of Grant:	16	2	2	1	2	0	2	1	0	0	0	0	0	0	0	26
Patents By Year of Application:	21	2	3	0	0	0	0	0	0	0	0	0	0	0	0	26
BASF SE																
Patents By Year of Grant:	17	3	0	0	0	0	1	1	0	1	0	0	0	2	0	25
Patents By Year of Application:	20	0	1	0	2	0	0	0	0	0	0	1	1	0	0	25
BROTHER KOGYO KABUSHIKI KAISHA Patents By Year of Grant:	9	0	0	0	1	2	0	1	2	1	3	5	0	1	0	25
Patents By Year of Grant: Patents By Year of Application:	12	1	0	1	1	2	5	0	2	0	1	1	0	0	0	25
Fatents by rear of Apprication:	12	1	U	-	-	3	5	U	U	U	-	-	U	U	U	2.5
YAMAHA CORPORATION																
Patents By Year of Grant:	12	2	2	2	0	0	1	2	0	2	0	1	1	0	0	25
Patents By Year of Application:	22	0	0	1	0	0	0	0	0	1	1	0	0	0	0	25
CORNING INCORPORATED																
Patents By Year of Grant:	8	2	2	1	1	2	1	1	0	2	0	1	2	1	0	24
Patents By Year of Application:	15	2	1	0	0	1	2	0	1	1	0	1	0	0	0	24
PROCTER + GAMBLE COMPANY																
Patents By Year of Grant:	13	0	1	0	0	0	1	1	1	1	2	1	0	1	2	24
Patents By Year of Application:	16	0	0	2	0	1	0	3	0	0	1	0	1	0	0	24
MOTOROLA, INC. Patents By Year of Grant:	22	1	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Patents By Year of Grant: Patents By Year of Application:	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
- country by roat of apprication.	25			Ū	Ŭ	v	v	v	v	v	v	v	v	v	J	20
UNITED TECHNOLOGIES CORPORATION																
Patents By Year of Grant:	18	0	1	0	0	0	1	0	0	0	0	1	1	0	1	23
Patents By Year of Application:	20	0	0	1	0	0	0	0	0	1	1	0	0	0	0	23

---- Technology Assessment and Forecast Report ----

Organizational Patenting				(Grante	d: Jan 0	1, 1977	- Dec 31	, 2015)	R	anked Li	st of Or	ganizati	ons with	5 or	More Pat	cents
	Pre															
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
HONDA GIKEN KOGYO KABUSHIKI KAISHA (H	IONDA MOT	OR CO.,	LTD.)													
Patents By Year of Grant:	13	1	0	0	1	1	0	2	0	0	1	1	1	0	1	22
Patents By Year of Application:	16	0	2	2	0	0	0	0	0	1	0	1	0	0	0	22
NISSAN MOTOR COMPANY, LIMITED																
Patents By Year of Grant:	14	1	1	0	0	0	0	0	0	1	2	3	0	0	0	22
Patents By Year of Application:	16	0	0	0	0	0	1	0	1	2	1	1	0	0	0	22
STMICROELECTRONICS, INC.																
Patents By Year of Grant:	4	3	2	0	1	0	2	2	0	4	1	0	1	2	0	22
Patents By Year of Application:	17	1	0	0	1	0	0	0	0	1	1	0	1	0	0	22
ALLIED-SIGNAL INC.																
Patents By Year of Grant:	19	1	0	0	0	0	0	1	0	0	0	0	0	0	0	21
Patents By Year of Application:	20	0	1	0	0	0	0	0	0	0	0	0	0	0	0	21
PAPST LICENSING GMBH & CO. KG																
Patents By Year of Grant:	10	3	3	3	1	1	0	0	0	0	0	0	0	0	0	21
Patents By Year of Application:	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
SANDVIK INTELLECTUAL PROPERTY AB																
Patents By Year of Grant:	0	0	0	0	0	0	5	7	4	4	0	0	0	1	0	21
Patents By Year of Application:	4	0	0	0	0	15	1	1	0	0	0	0	0	0	0	21
HALLIBURTON ENERGY SERVICES, INC.																
Patents By Year of Grant:	0	1	0	3	0	2	0	2	1	4	4	0	0	3	0	20
Patents By Year of Application:	8	0	1	1	2	1	3	0	1	3	0	0	0	0	0	20
KONINKLIJKE PHILIPS ELECTRONICS N.V.																
Patents By Year of Grant:	0	2	1	2	2	0	0	0	0	1	3	4	5	0	0	20
Patents By Year of Application:	5	3	2	2	2	0	2	1	1	1	0	1	0	0	0	20
LUCENT TECHNOLOGIES INC.																
Patents By Year of Grant:	12	3	0	1	1	1	0	1	0	1	0	0	0	0	0	20
Patents By Year of Application:	16	2	0	1	1	0	0	0	0	0	0	0	0	0	0	20
MINOLTA CAMERA CO., LTD.																
Patents By Year of Grant:	18	0	1	0	0	0	0	1	0	0	0	0	0	0	0	20
Patents By Year of Application:	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
YAMAHA HATSUDOKI KABUSHIKI KAISHA, YA	АМАНА МОТ	OR CO.,	LTD.													
Patents By Year of Grant:	16	1	0	0	0	0	0	1	0	0	1	1	0	0	0	20
Patents By Year of Application:	17	0	0	1	0	0	0	1	0	1	0	0	0	0	0	20

	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
BRISTOL-MYERS SQUIBB COMPANY	_						_										
Patents By Year of Grant:	7	0	0	0	0	2	1	1	0	4	3	0	1	0	0	19	
Patents By Year of Application:	7	0	0	1	3	1	0	0	4	1	2	0	0	0	0	19	
EXXON RESEARCH + ENGINEERING CO.																	
Patents By Year of Grant:	17	2	0	0	0	0	0	0	0	0	0	0	0	0	0	19	
Patents By Year of Application:	19	0	0	0	0	0	ů 0	0	0	0	0	0	0	0	0	19	
······································																	
HEWLETT-PACKARD DEVELOPMENT COMPANY,	L.P.																
Patents By Year of Grant:	0	0	0	0	0	2	1	2	3	1	4	4	0	2	0	19	
Patents By Year of Application:	6	2	0	2	1	3	0	1	0	2	0	1	1	0	0	19	
MOBIL OIL CORP.																	
Patents By Year of Grant:	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	
Patents By Year of Application:	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	
PHILLIPS PETROLEUM COMPANY																	
Patents By Year of Grant:	17	2	0	0	0	0	0	0	0	0	0	0	0	0	0	19	
Patents By Year of Application:	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	
	17	Ũ	Ũ	Ū	Ũ	v	Ŭ	v	v	v	v	v	v	v	v	19	
SEMICONDUCTOR ENERGY LABORATORY CO.,	LTD.																
Patents By Year of Grant:	5	0	2	0	1	1	0	0	0	2	3	4	1	0	0	19	
Patents By Year of Application:	10	0	1	2	0	1	0	0	4	0	0	1	0	0	0	19	
SGS-THOMSON MICROELECTRONICS S.R.L.																	
Patents By Year of Grant:	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	
Patents By Year of Application:	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	
BAKER HUGHES INCORPORATED Patents By Year of Grant:	6	0	1	1	1	0	0	2	1	0	2	2	1	0	1	18	
Patents By Year of Application:	8	1	0	3	0	0	0	1	0	2	2	0	1	0	0	18	
	U	-	Ũ	5	Ũ	v	Ŭ	-	v	-	-	v	-	v	v	10	
BLACK & DECKER INC.																	
Patents By Year of Grant:	4	1	0	0	0	1	0	2	1	1	1	2	3	2	0	18	
Patents By Year of Application:	5	1	1	0	3	0	0	1	1	1	1	4	0	0	0	18	
CASIO COMPUTER CO. LTD.																	
Patents By Year of Grant:	6	0	1	0	0	1	0	0	1	2	2	4	1	0	0	18	
Patents By Year of Application:	8	1	0	0	1	1	3	0	0	3	1	0	0	0	0	18	
FORD GLOBAL TECHNOLOGIES, L.L.C.	2	1	1	0	0	0	1	5	1	3	2	2	0	0	0	18	
Patents By Year of Grant: Patents By Year of Application:	6	0	0	3	1	3	4	0	1	0	2	2	0	0	0	18	
Fatents by rear of Apprication:	0	U	U	3	-	3	4	U	1	U	U	U	U	U	0	TO	

---- Technology Assessment and Forecast Report ----

Organizational Patenting				(Grante	d: Jan 0	1, 1977	- Dec 31	, 2015)	R	anked Li	st of Or	ganizati	ons with	5 or 1	More Pat	cents
	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
ROBERT BOSCH GMBH																
Patents By Year of Grant:	14	0	1	0	0	0	0	1	0	0	0	0	0	2	0	18
Patents By Year of Application:	15	1	0	0	0	0	0	0	0	0	1	0	1	0	0	18
SEAGATE TECHNOLOGY, LLC																
Patents By Year of Grant:	6	0	2	0	0	0	0	1	0	0	3	3	2	0	1	18
Patents By Year of Application:	8	0	2	0	0	0	0	0	1	5	2	0	0	0	0	18
TAIWAN SEMICONDUCTOR MANUFACTURING CO	., LTD.															
Patents By Year of Grant:	0	0	0	0	1	1	1	2	0	3	4	1	1	3	1	18
Patents By Year of Application:	0	2	3	0	2	2	2	0	2	2	1	1	1	0	0	18
UNISYS CORPORATION																
Patents By Year of Grant:	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Patents By Year of Application:	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
AMERICAN CYANAMID COMPANY																
Patents By Year of Grant:	16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Patents By Year of Application:	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
BAXTER INTERNATIONAL INC.																
Patents By Year of Grant:	16	0	0	0	0	0	0	0	0	0	0	1	0	0	0	17
Patents By Year of Application:	16	0	1	0	0	0	0	0	0	0	0	0	0	0	0	17
DEERE + COMPANY																
Patents By Year of Grant:	14	0	0	0	0	0	0	0	0	0	0	1	0	1	1	17
Patents By Year of Application:	14	0	0	0	0	1	0	0	0	0	1	0	1	0	0	17
HONEYWELL INC.																
Patents By Year of Grant:	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Patents By Year of Application:	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
IMPERIAL CHEMICAL INDUSTRIES PLC																
Patents By Year of Grant:	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Patents By Year of Application:	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
UNION CARBIDE CORPORATION																
Patents By Year of Grant:	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Patents By Year of Application:	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
VICTOR COMPANY OF JAPAN, LIMITED																
Patents By Year of Grant:	12	1	1	0	0	0	0	0	0	1	2	0	0	0	0	17
Patents By Year of Application:	14	0	0	0	0	2	1	0	0	0	0	0	0	0	0	17

	Pre															
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
AMP INCORPORATED																
Patents By Year of Grant:	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Patents By Year of Application:	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
ASML NETHERLANDS B.V.	0	0	0	0	0	0	0	2	1	2	4	3	2	1	1	16
Patents By Year of Grant: Patents By Year of Application:	1	1	0	2	1	3	0	2	1	2	4	1	2	0	0	16
Fatents by leaf of Application:	-	-	U	2	-	3	U	5	-	U	-	-	2	U	U	10
DOW CORNING CORPORATION																
Patents By Year of Grant:	15	0	1	0	0	0	0	0	0	0	0	0	0	0	0	16
Patents By Year of Application:	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
FUJI PHOTO FILM CO., LTD																
Patents By Year of Grant:	13	0	2	0	0	1	0	0	0	0	0	0	0	0	0	16
Patents By Year of Application:	15	1	0	0	0	0	0	0	0	0	0	0	0	0	0	16
INFINEON TECHNOLOGIES AG																
Patents By Year of Grant:	0	1	2	0	0	2	1	3	0	4	1	1	0	0	1	16
Patents By Year of Application:	4	1	4	2	0	0	1	0	1	1	1	0	1	0	0	16
MARVELL INTERNATIONAL LTD.																
Patents By Year of Grant:	1	3	0	1	0	1	0	0	1	2	3	1	0	1	2	16
Patents By Year of Application:	6	0	1	0	2	0	2	0	0	2	0	1	2	0	0	16
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MEDTRONIC INC.																
Patents By Year of Grant:	10	0	0	1	1	0	0	0	0	0	3	0	1	0	0	16
Patents By Year of Application:	13	0	0	0	0	1	1	1	0	0	0	0	0	0	0	16
NIPPON GAKKI SEIZO KABUSHIKI KAISHA																
Patents By Year of Grant:	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Patents By Year of Application:	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
SanDisk Technologies Inc.	•	<u> </u>	<b>^</b>	•			•	•	•	•	•	•	•	•		16
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	2	0	0	14 0	16
Patents By Year of Application:	U	0	0	0	0	0	0	0	1	U	T	U	U	14	U	16
SCHLUMBERGER TECHNOLOGY CORPORATION																
Patents By Year of Grant:	11	0	1	1	0	0	1	1	0	0	0	1	0	0	0	16
Patents By Year of Application:	14	1	0	1	0	0	0	0	0	0	0	0	0	0	0	16
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TOKYO ELECTRON LIMITED																
Patents By Year of Grant:	4	0	0	0	0	1	1	4	1	1	3	1	0	0	0	16
Patents By Year of Application:	10	0	2	0	0	1	1	0	0	1	1	0	0	0	0	16

---- Technology Assessment and Forecast Report ----

Organizational Patenting				(Grante	d: Jan 0	1, 1977	- Dec 31	, 2015)	R	anked Li	st of Or	ganizati	ons with	5 or	More Pat	ents
	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
	2002	2002	2003	2004	2005	2000	2007	2008	2009	2010	2011	2012	2013	2014	2015	IOIAL
UNITED STATES OF AMERICA, NAVY																
Patents By Year of Grant:	7	0	0	0	0	2	0	0	1	0	2	1	2	1	0	16
Patents By Year of Application:	7	0	0	3	0	1	3	0	0	0	1	0	1	0	0	16
WESTINGHOUSE ELECTRIC CORP.																
Patents By Year of Grant:	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Patents By Year of Application:	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
ABBOTT LABORATORIES																
Patents By Year of Grant:	8	0	0	0	0	2	2	0	0	1	0	0	1	0	1	15
Patents By Year of Application:	8	1	1	3	0	0	0	1	0	0	0	0	1	0	0	15
ALTERA CORPORATION																
Patents By Year of Grant:	2	0	0	2	0	0	0	3	3	4	1	0	0	0	0	15
Patents By Year of Application:	5	0	1	5	0	1	0	1	2	0	0	0	0	0	0	15
DENSO CORPORATION																
Patents By Year of Grant:	1	0	0	0	0	0	1	2	1	3	4	2	1	0	0	15
Patents By Year of Application:	1	5	0	1	1	1	2	0	2	1	1	0	0	0	0	15
GENERAL MOTORS CORPORATION																
Patents By Year of Grant:	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Patents By Year of Application:	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
MOLEX INCORPORATED																
Patents By Year of Grant:	11	0	0	0	1	0	0	0	0	1	0	2	0	0	0	15
Patents By Year of Application:	11	1	0	0	0	1	0	0	0	2	0	0	0	0	0	15
SHIMANO INC.																
Patents By Year of Grant:	2	0	1	0	0	2	3	0	1	2	2	2	0	0	0	15
Patents By Year of Application:	3	2	1	5	1	1	0	2	0	0	0	0	0	0	0	15
TELEFONAKTIEBOLAGET L M ERICSSON (PUB	L.)															
Patents By Year of Grant:	5	3	0	0	0	0	0	1	3	0	0	0	1	0	2	15
Patents By Year of Application:	9	1	0	1	1	0	0	0	0	1	0	0	1	1	0	15
HEWLETT-PACKARD COMPANY																
Patents By Year of Grant:	9	3	0	0	0	0	1	0	0	0	1	0	0	0	0	14
Patents By Year of Application:	12	0	0	0	1	1	0	0	0	0	0	0	0	0	0	14
HOFFMANN-LA ROCHE INC.																
Patents By Year of Grant:	11	0	0	0	0	0	0	0	0	0	0	1	2	0	0	14
Patents By Year of Application:	11	0	0	0	0	0	0	0	0	0	1	2	0	0	0	14

	Pre															
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
MONSANTO COMPANY, INC.																
Patents By Year of Grant:	13	1	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Patents By Year of Application:	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
OUTBOARD MARINE CORPORATION																
Patents By Year of Grant:	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Patents By Year of Application:	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
		•	•	•	•		•	•	· ·	•		•	· ·		•	
QUALCOMM, INC.																
Patents By Year of Grant:	0	0	1	0	0	1	0	0	0	1	2	1	2	3	3	14
Patents By Year of Application:	2	2	0	0	0	2	1	0	2	1	4	0	0	0	0	14
Renesas Electronics Corp.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	4	1	4	4	1	0	14
Patents By Year of Application:	2	1	0	0	3	0	0	1	0	5	0	1	1	0	0	14
ROCKWELL INTERNATIONAL CORPORATION																
Patents By Year of Grant:	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Patents By Year of Application:	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
ANGUNG ODT CO. LED																
SAMSUNG SDI CO., LTD. Patents By Year of Grant:	0	0	0	0	0	0	0	0	1	2	4	5	1	1	0	14
Patents By Year of Application:	1	0	0	1	0	1	0	0	0	2	1	1	0	0	0	14
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SONY DEUTSCHLAND GMBH																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	2	0	2	5	2	3	0	14
Patents By Year of Application:	0	0	0	0	4	2	0	0	2	1	1	3	1	0	0	14
SUN MICROSYSTEMS, INC.																
Patents By Year of Grant:	2	0	4	2	0	2	1	0	2	1	0	0	0	0	0	14
Patents By Year of Application:	11	1	1	1	0	0	0	0	0	0	0	0	0	0	0	14
UNITED STATES OF AMERICA, DEPARTMENT																
Patents By Year of Grant:	4	0	0	1	1	0	1	0	2	1	0	0	1	3	0	14
Patents By Year of Application:	8	1	1	0	0	1	0	0	0	0	0	0	3	0	0	14
CARDIER CORRORATION																
CARRIER CORPORATION Patents By Year of Grant:	8	1	0	0	0	1	1	1	0	0	1	0	0	0	0	13
Patents By Year of Grant: Patents By Year of Application:	8 10	1	0	0	0	1	1	1	0	0	0	0	0	0	0	13
Fatenes by rear of Application:	10	T	- <b>-</b>	U	U	1	U	U	U	U	U	U	U	U	U	15
CIBA-GEIGY CORPORATION																
Patents By Year of Grant:	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Patents By Year of Application:	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
		-	-	5	2	-	-	-	-	-	-	-	-	-	-	

---- Technology Assessment and Forecast Report ----

Organizational Patenting				(Grante	d: Jan 0	1, 1977	- Dec 31	, 2015)	R	anked Li	st of Or	ganizati	ons with	5 or	More Pat	cents
	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
KONICA CORPORATION																
Patents By Year of Grant:	9	1	0	0	0	1	0	1	0	0	0	0	1	0	0	13
Patents By Year of Application:	10	1	1	0	0	0	0	1	0	0	0	0	0	0	0	13
MICROSOFT CORPORATION																
Patents By Year of Grant:	1	0	3	0	1	2	1	0	1	0	0	1	0	3	0	13
Patents By Year of Application:	7	0	1	1	0	0	0	1	0	0	1	2	0	0	0	13
SANYO ELECTRIC CO., LTD.																
Patents By Year of Grant:	4	2	0	0	1	1	1	1	0	1	2	0	0	0	0	13
Patents By Year of Application:	8	2	0	1	1	0	0	1	0	0	0	0	0	0	0	13
SGS-THOMSON MICROELECTRONICS S.A.																
Patents By Year of Grant:	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Patents By Year of Application:	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
SHELL OIL COMPANY																
Patents By Year of Grant:	11	0	0	0	0	0	0	0	1	0	0	0	1	0	0	13
Patents By Year of Application:	11	1	0	0	0	0	1	0	0	0	0	0	0	0	0	13
THOMSON LICENSING S.A.																
Patents By Year of Grant:	0	0	0	0	0	0	2	1	1	2	2	0	4	1	0	13
Patents By Year of Application:	2	3	1	2	2	0	0	0	1	0	0	1	1	0	0	13
ASAHI GLASS COMPANY, LTD.																
Patents By Year of Grant:	6	1	1	1	0	0	0	0	0	3	0	0	0	0	0	12
Patents By Year of Application:	9	0	0	0	0	0	1	2	0	0	0	0	0	0	0	12
DANA CORPORATION																
Patents By Year of Grant:	11	0	0	0	0	1	0	0	0	0	0	0	0	0	0	12
Patents By Year of Application:	11	0	1	0	0	0	0	0	0	0	0	0	0	0	0	12
HYNIX SEMICONDUCTOR INC.																
Patents By Year of Grant:	0	0	1	0	0	0	0	2	0	1	3	2	3	0	0	12
Patents By Year of Application:	2	1	0	1	0	0	1	2	0	1	0	4	0	0	0	12
MOSAID TECHNOLOGIES INC.																
Patents By Year of Grant:	1	1	0	0	0	0	0	3	0	1	1	1	2	2	0	12
Patents By Year of Application:	4	1	0	0	0	0	1	0	1	2	1	1	1	0	0	12
RAMBUS, INC.																
Patents By Year of Grant:	4	0	0	1	0	1	1	0	0	0	3	1	1	0	0	12
Patents By Year of Application:	7	0	0	0	1	1	0	0	1	2	0	0	0	0	0	12

	Pre															
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
AVERY DENNISON CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	0	0	1	1	3	2	4	0	0	0	11
Patents By Year of Application:	0	1	0	0	0	2	2	0	0	0	6	0	0	0	0	11
COMMISSARIAT A L'ENERGIE ATOMIQUE			•	-		•	-	•	_		-	•	-	•	•	
Patents By Year of Grant:	3	0	0	1	0	0	1	0	1	3	1	0	1	0	0	11 11
Patents By Year of Application:	-	2	1	0	1	3	U	0	U	U	U	U	U	U	0	11
DOLBY LABORATORIES LICENSING CORPORAT	TON															
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	1	2	4	2	2	11
Patents By Year of Application:	0	0	0	0	0	0	1	0	2	1	- 5	1	1	0	0	11
EBARA CORPORATION																
Patents By Year of Grant:	2	0	2	0	3	2	1	0	0	0	0	0	0	0	1	11
Patents By Year of Application:	7	2	0	1	0	0	0	0	0	0	0	0	0	1	0	11
HOECHST AKTIENGESELLSCHAFT																
Patents By Year of Grant:	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Patents By Year of Application:	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
HONEYWELL INTERNATIONAL INC.	_	_				_		_							_	
Patents By Year of Grant: Patents By Year of Application:	1	1	0	0	0	1	0	1 2	0	3	2	0	1	0	1	11 11
Patents By Year of Application:	3	U	U	0	U	1	T	2	T	2	U	T	U	U	U	11
INTERNATIONAL GAME TECHNOLOGY (IGT)																
Patents By Year of Grant:	0	0	0	0	0	5	1	0	0	0	1	3	1	0	0	11
Patents By Year of Application:	6	1	0	1	1	1	0	1	0	0	0	0	0	0	0	11
······																
OLIN CORPORATION																
Patents By Year of Grant:	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Patents By Year of Application:	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
PIONEER ELECTRONIC CORPORATION																
Patents By Year of Grant:	1	0	0	2	1	1	0	1	0	3	1	1	0	0	0	11
Patents By Year of Application:	3	3	1	1	1	0	0	2	0	0	0	0	0	0	0	11
UPJOHN COMPANY	11	0	0	0	•	•	0	0	0	•	0	0	0	0	0	11
Patents By Year of Grant: Patents By Year of Application:	11 11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11 11
Fatences by rear or Apprication:	11	U	0	U	U	U	U	U	U	U	U	U	U	U	0	11
AMOCO CORPORATION																
Patents By Year of Grant:	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Patents By Year of Application:	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
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---- Technology Assessment and Forecast Report ----

Organizational Patenting				(Grante	d: Jan 0	1, 1977	- Dec 31	, 2015)	F	anked Li	st of Or	ganizati	ons with	5 or	More Pat	cents
	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
ANALOG DEVICES, INC.																
Patents By Year of Grant:	6	1	1	0	0	0	0	1	1	0	0	0	0	0	0	10
Patents By Year of Application:	8	0	1	0	0	1	0	0	0	0	0	0	0	0	0	10
ASAHI KASEI KOGYO KABUSHIKI KAISHA																
Patents By Year of Grant:	8	0	2	0	0	0	0	0	0	0	0	0	0	0	0	10
Patents By Year of Application:	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	10
AVENTIS PHARMA SA																
Patents By Year of Grant:	1	3	0	3	1	0	1	0	1	0	0	0	0	0	0	10
Patents By Year of Application:	8	1	1	0	0	0	0	0	0	0	0	0	0	0	0	10
BETHLEHEM STEEL CORPORATION																
Patents By Year of Grant:	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Patents By Year of Application:	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
BOEING COMPANY																
Patents By Year of Grant:	8	0	0	0	0	0	0	0	0	1	0	0	1	0	0	10
Patents By Year of Application:	9	0	0	0	0	0	0	1	0	0	0	0	0	0	0	10
BRITISH TELECOMMUNICATION, PLC																
Patents By Year of Grant:	6	2	0	0	0	0	1	0	0	0	0	0	0	1	0	10
Patents By Year of Application:	9	0	0	0	0	0	0	0	1	0	0	0	0	0	0	10
INTERNATIONAL PAPER CO.																
Patents By Year of Grant:	8	2	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Patents By Year of Application:	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
JOHNS HOPKINS UNIVERSITY																
Patents By Year of Grant:	3	0	1	0	1	0	0	1	1	0	0	1	1	1	0	10
Patents By Year of Application:	6	0	1	0	0	0	0	1	0	0	1	0	1	0	0	10
Medtronic Navigation, Inc.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	2	0	2	2	2	0	2	10
Patents By Year of Application:	3	1	0	0	0	2	0	0	1	0	1	1	1	0	0	10
MERCK + CO., INC.																
Patents By Year of Grant:	7	0	0	0	0	2	0	0	1	0	0	0	0	0	0	10
Patents By Year of Application:	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	10
NATIONAL RESEARCH DEVELOPMENT CORPORA	TION															
Patents By Year of Grant:	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Patents By Year of Application:	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10

	Pre															
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
NIPPON STEEL CORP.	6	0	0	0	0	0	0	1	1	0	2	0	0	0	0	10
Patents By Year of Grant: Patents By Year of Application:	10	0	0	0	0	0	0	0	0	0	2 0	0	0	0	0	10
Facence by fear of Apprication.	10	Ū	Ū	Ū	Ū	Ū	Ū	Ū	Ū	Ū	Ū	Ū	U	U	U	10
NORDSON CORPORATION																
Patents By Year of Grant:	6	0	0	1	0	1	0	0	0	0	1	0	0	0	1	10
Patents By Year of Application:	7	0	1	0	0	0	1	0	0	0	0	0	0	1	0	10
OLYMPUS CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	0	1	2	1	4	2	0	0	0	0	10
Patents By Year of Application:	1	2	1	2	0	1	2	0	1	0	0	0	0	0	0	10
OTIS ENGINEERING CORPORATION																
Patents By Year of Grant:	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Patents By Year of Application:	10	0	0	0	0	0	0	0	0	ů 0	ů 0	ů 0	0	ů 0	0	10
PFIZER INC.																
Patents By Year of Grant:	3	0	0	1	0	2	1	0	2	1	0	0	0	0	0	10
Patents By Year of Application:	3	1	1	1	1	0	1	1	1	0	0	0	0	0	0	10
RENESAS TECHNOLOGY CORPORATION					_											
Patents By Year of Grant:	0	0	0	1	0	0	4	1	0	4	0	0	0	0	0	10 10
Patents By Year of Application:	5	4	0	0	4	T	0	U	0	0	U	U	0	U	U	10
RESEARCH IN MOTION LIMITED																
Patents By Year of Grant:	0	0	0	0	0	0	0	1	0	1	3	3	2	0	0	10
Patents By Year of Application:	1	0	1	1	1	0	0	0	2	2	2	0	0	0	0	10
STANFORD UNIVERSITY																
Patents By Year of Grant:	6	0	1	1	0	0	0	1	0	0	0	1	0	0	0	10
Patents By Year of Application:	6	3	0	0	0	0	0	1	0	0	0	0	0	0	0	10
STATS CHIPPAC LTD. Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	9	1	0	10
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	4	6	0	0	10
reaction by rear or appreadion.	J		J	J		J	Ŭ	v	v	v	v	-	Ŭ	v	5	
SUMITOMO ELECTRIC INDUSTRIES, LTD.																
Patents By Year of Grant:	2	1	1	0	1	0	1	0	1	1	1	0	1	0	0	10
Patents By Year of Application:	5	1	1	0	2	0	0	1	0	0	0	0	0	0	0	10
THE AEROSPACE CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	0	1	0	2	2	2	3	0	0	0	10
Patents By Year of Application:	0	0	0	0	1	1	5	2	0	1	0	0	0	0	0	10

---- Technology Assessment and Forecast Report ----

Organizational Patenting				(Grante	ed: Jan 0	1, 1977	- Dec 31	, 2015)	R	anked Li	st of Or	ganizati	ons with	5 or	More Pat	cents
	Pre			0004	0005	0000	0007	0000		0010	0011	0010	0010	0014	0015	
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
THOMAS + BETTS CORPORATION																
Patents By Year of Grant:	9	0	1	0	0	0	0	0	0	0	0	0	0	0	0	10
Patents By Year of Application:	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
		· ·	· ·	· ·	· ·	Ŭ	·	Ū	Ū	· ·	Ū	· ·	· ·	· ·	· ·	
TOSHIBA TEC KABUSHIKI KAISHA																
Patents By Year of Grant:	0	0	0	0	0	0	0	3	1	1	3	0	1	0	1	10
Patents By Year of Application:	0	0	2	2	0	0	2	1	0	3	0	0	0	0	0	10
TRW INC.																
Patents By Year of Grant:	9	0	0	0	0	1	0	0	0	0	0	0	0	0	0	10
Patents By Year of Application:	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
		-	2	5	2	-	-	-	-	-	-	-	-	-	3	
WARNER-LAMBERT COMPANY																
Patents By Year of Grant:	7	0	0	0	0	0	1	0	1	1	0	0	0	0	0	10
Patents By Year of Application:	8	0	0	0	1	0	1	0	0	0	0	0	0	0	0	10
BECTON, DICKINSON AND COMPANY																
Patents By Year of Grant:	3	0	0	1	0	2	1	1	0	0	0	1	0	0	0	9
Patents By Year of Application:	7	0	0	1	0	0	0	1	0	0	0	0	0	0	0	9
BORG-WARNER CORPORATION																
Patents By Year of Grant:	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Patents By Year of Application:	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
CHEVRON RESEARCH & TECHNOLOGY CO.																
Patents By Year of Grant:	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Patents By Year of Application:	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
CREE, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	2	2	1	1	2	9
Patents By Year of Application:	0	0	0	0	1	1	0	1	0	4	1	1	0	0	0	9
Emerson Climate Technologies, Inc.																
Patents By Year of Grant:	0	0	0	0	0	0	0	4	1	2	1	0	1	0	0	9
Patents By Year of Application:	0	1	3	2	2	0	0	0	1	0	0	0	0	0	0	9
Fujifilm Corporation			•				•		•	-	•		_	_		•
Patents By Year of Grant:	0	0	0	0	0	0	0	1	0	3	0	3	1	1	0	9
Patents By Year of Application:	0	1	0	2	1	0	0	2	1	0	0	2	0	0	0	9
HITACHI METALS LTD.																
Patents By Year of Grant:	4	1	2	0	0	0	0	2	0	0	0	0	0	0	0	9
Patents By Year of Application:	7	0	1	1	0	ů O	0	0	0 0	0	ů 0	0	0	0	ů 0	9
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---- Organizational Patenting
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	Pre															
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
HUSKY INJECTION MOLDING SYSTEMS LIMITE		_		_							_	_			_	
Patents By Year of Grant:	3	1	0	1	0	2	0	0	0	0	1	1	0	0	0	9
Patents By Year of Application:	5	0	2	0	0	0	0	1	0	0	1	0	0	0	0	9
INTERNATIONAL RECTIFIER CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	0	0	2	1	5	1	0	0	0	0	9
Patents By Year of Application:	ů 0	0	1	1	3	1	1	0	2	0	0	0	0	0	0	9
······																
KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE	STEEL,	LTD.)														
Patents By Year of Grant:	4	1	1	0	0	1	0	0	0	1	0	0	1	0	0	9
Patents By Year of Application:	5	3	0	0	0	0	0	0	0	0	0	1	0	0	0	9
KYOCERA CORPORATION																
Patents By Year of Grant:	2	0	0	0	0	1	0	0	0	2	0	2	1	1	0	9
Patents By Year of Application:	2	1	1	0	0	1	1	1	1	0	0	1	0	0	0	9
NOVATEK MICROELECTRONICS CORP. Patents By Year of Grant:	0	0	0	0	0	0	0	3	0	1	0	0	1	2	2	9
Patents By Year of Application:	0	0	0	0	1	2	0	1	0	1	0	1	2	2	2	9
Fatents by fear of Application:	0	U	U	U	Ŧ	2	U	-	U	T	U	Ŧ	2	-	0	9
PALM, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	3	1	2	2	0	0	1	0	9
Patents By Year of Application:	0	0	0	0	4	4	0	1	0	0	0	0	0	0	0	9
PIONEER CORPORATION																
Patents By Year of Grant:	0	0	1	1	0	1	1	1	0	0	3	1	0	0	0	9
Patents By Year of Application:	2	0	0	0	3	1	1	1	1	0	0	0	0	0	0	9
PITNEY-BOWES, INC.	_						_	-				•				
Patents By Year of Grant:	7 7	0	0	0	0	0	1	1	0	0	0	0	0	0	0	9 9
Patents By Year of Application:	1	T	U	T	U	U	U	U	U	U	U	U	U	U	0	9
ROHM AND HAAS COMPANY																
Patents By Year of Grant:	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Patents By Year of Application:	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
• • • • • • • • • • • • • • • • • • •	-															
SECRETARY OF STATE FOR DEFENCE IN HER	BRITANN	NIC MAJES	TY'S GOV	ERNMENT	OF THE U	NITED KI	NGDOM									
Patents By Year of Grant:	7	1	0	0	0	0	0	0	0	0	0	1	0	0	0	9
Patents By Year of Application:	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
TRANSPACIFIC SYSTEMS, LLC																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	7	2	0	0	0	9
Patents By Year of Application:	0	0	0	0	6	1	1	0	1	0	0	0	0	0	0	9

---- Technology Assessment and Forecast Report ----

Organizational Patenting				(Grante	d: Jan 0	1, 1977	- Dec 31	, 2015)	R	anked Li	st of Or	ganizati	ons with	5 or	More Pat	ents	
	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
ACQIS LLC																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	3	2	3	0	8	
Patents By Year of Application:	0	0	0	0	0	1	0	0	1	0	2	2	2	0	0	8	
AIR PRODUCTS AND CHEMICALS, INC.																	
Patents By Year of Grant:	5	0	1	0	0	0	1	0	0	0	1	0	0	0	0	8	
Patents By Year of Application:	5	1	1	0	0	0	0	0	1	0	0	0	0	0	0	8	
AJINOMOTO COMPANY INCORPORATED																	
Patents By Year of Grant:	3	0	1	0	2	0	0	0	0	1	1	0	0	0	0	8	
Patents By Year of Application:	5	1	0	0	0	0	0	0	2	0	0	0	0	0	0	8	
BP CHEMICALS LIMITED																	
Patents By Year of Grant:	7	0	0	0	0	0	0	0	0	0	0	0	1	0	0	8	
Patents By Year of Application:	7	0	0	0	0	0	0	0	0	0	1	0	0	0	0	8	
BRUNSWICK CORPORATION																	
Patents By Year of Grant:	7	0	0	0	0	1	0	0	0	0	0	0	0	0	0	8	
Patents By Year of Application:	7	0	0	1	0	0	0	0	0	0	0	0	0	0	0	8	
BTG INTERNATIONAL LIMITED																	
Patents By Year of Grant:	2	2	0	1	1	1	0	0	1	0	0	0	0	0	0	8	
Patents By Year of Application:	4	2	1	1	0	0	0	0	0	0	0	0	0	0	0	8	
CAPELLA PHOTONICS, INC.																	
Patents By Year of Grant:	0	0	0	0	0	3	2	0	0	0	3	0	0	0	0	8	
Patents By Year of Application:	0	0	0	5	0	0	0	0	0	3	0	0	0	0	0	8	
FLEXIWORLD TECHNOLOGIES, INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	5	2	1	0	0	0	8	
Patents By Year of Application:	0	0	0	0	0	0	0	7	0	1	0	0	0	0	0	8	
GENERAL HOSPITAL CORPORATION																	
Patents By Year of Grant:	1	1	0	0	0	0	0	0	1	1	0	2	1	0	1	8	
Patents By Year of Application:	2	0	1	1	0	0	0	2	0	1	0	1	0	0	0	8	
GIST-BROCADES N.V.																	
Patents By Year of Grant:	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	
Patents By Year of Application:	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	
GOODYEAR TIRE + RUBBER COMPANY																	
Patents By Year of Grant:	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	
Patents By Year of Application:	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	

	Pre															
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
HOYA CORPORATION																
Patents By Year of Grant:	3	0	0	1	0	0	0	2	0	0	1	0	1	0	0	8
Patents By Year of Application:	4	0	0	2	0	0	0	1	0	0	0	1	0	0	0	8
IMMERSION CORPORATION																
Patents By Year of Grant:	1	1	0	0	0	0	1	1	1	0	1	0	2	0	0	8
Patents By Year of Application:	5	0	0	1	0	0	1	0	0	0	0	1	0	0	0	8
KENNAMETAL INC.	5	0	-	0	0	0	•	0	0	0	0	0	0	-	1	0
Patents By Year of Grant: Patents By Year of Application:	5	0	1	0	0	0	0	0	0	0	0	0	1	1	1	8
Patents by leaf of Application:	0	U	U	U	U	U	U	U	Ŧ	U	U	U	Ŧ	U	U	o
KONINKLIJKE PHILIPS N.V.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	2	4	2	8
Patents By Year of Application:	0	0	0	0	0	0	0	2	0	1	0	1	4	0	0	8
LG Display Co., Ltd.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	1	1	1	2	0	1	2	8
Patents By Year of Application:	0	0	1	1	1	0	1	0	1	0	0	2	1	0	0	8
MEAD CORPORATION	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Patents By Year of Grant: Patents By Year of Application:	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
ratents by rear or approaction.	U	U	Ū	U	Ū	Ū	Ū	Ū	U	U	U	U	U	Ū	Ū	0
MONSANTO TECHNOLOGY, LLC																
Patents By Year of Grant:	0	1	0	0	1	2	1	0	0	0	1	0	0	2	0	8
Patents By Year of Application:	2	1	2	0	0	0	0	0	1	0	0	0	2	0	0	8
MURATA MANUFACTURING CO., LTD.																
Patents By Year of Grant:	3	0	0	0	0	0	0	2	0	0	0	0	1	1	1	8
Patents By Year of Application:	3	0	1	1	0	0	0	0	0	0	1	1	1	0	0	8
NCR CORPORATION																
NCR CORPORATION Patents By Year of Grant:	2	0	0	1	0	0	0	1	0	3	1	0	0	0	0	8
Patents By Year of Application:	5	1	1	0	1	0	0	0	0	0	0	0	0	0	0	8
		-	-	Ŭ	-	Ŭ	Ŭ	v	v	v	v	v	v	v	v	
NIPPONDENSO CO., LTD.																
Patents By Year of Grant:	7	0	0	1	0	0	0	0	0	0	0	0	0	0	0	8
Patents By Year of Application:	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	8
NORTEL NETWORKS LIMITED																
Patents By Year of Grant:	1	0	0	1	0	0	1	2	2	1	0	0	0	0	0	8
Patents By Year of Application:	3	1	1	0	1	2	0	0	0	0	0	0	0	0	0	8

---- Technology Assessment and Forecast Report ----

Organizational Patenting				(Grante	ed: Jan 0	1, 1977	- Dec 31	, 2015)	F	Ranked Li	lst of Or	ganizati	ons with	5 or	More Pat	tents
	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
NOVO NORDISK A/S																
Patents By Year of Grant:	3	0	0	0	0	0	1	0	0	1	0	1	0	1	1	8
Patents By Year of Application:	3	0	1	1	1	0	0	0	0	0	0	0	2	0	0	8
Panasonic Intellectual Property Manag	ement Co	., Ltd.														
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	8
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	0	7	1	0	8
PAPST-MOTOREN KG																
Patents By Year of Grant:	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Patents By Year of Application:	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
R. J. REYNOLDS TOBACCO COMPANY																
Patents By Year of Grant:	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Patents By Year of Application:	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
ROCHE DIAGNOSTICS OPERATIONS, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	1	0	1	3	1	2	0	0	8
Patents By Year of Application:	1	0	4	0	0	1	0	0	0	0	1	0	1	0	0	8
Samsung Display Co., Ltd.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	4	2	2	8
Patents By Year of Application:	1	0	0	0	0	0	0	0	1	1	1	2	2	0	0	8
SANDERS ASSOCIATES INC.																
Patents By Year of Grant:	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Patents By Year of Application:	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
S. C. JOHNSON + SON, INC.																
Patents By Year of Grant:	3	0	1	0	0	0	1	0	2	0	1	0	0	0	0	8
Patents By Year of Application:	4	0	0	0	0	3	0	0	1	0	0	0	0	0	0	8
STMICROELECTRONICS S.A.																
Patents By Year of Grant:	2	0	1	2	1	0	0	0	0	1	1	0	0	0	0	8
Patents By Year of Application:	5	2	0	0	0	0	0	0	1	0	0	0	0	0	0	8
SUWA SEIKOSHA CO., LTD.																
Patents By Year of Grant:	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Patents By Year of Application:	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
TOYO BOSEKI KABUSHIKI KAISHA T/A TOYO	во со.,	LTD.														
Patents By Year of Grant:	3	0	0	0	1	1	2	1	0	0	0	0	0	0	0	8
Patents By Year of Application:	6	0	0	2	0	0	0	0	0	0	0	0	0	0	0	8

	Pre															
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
Warsaw Orthopedic, Inc.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	3	1	2	1	0	8
Patents By Year of Application:	2	0	0	0	1	0	0	4	0	0	1	0	0	0	0	8
AKZONA INCORPORATED																
Patents By Year of Grant:	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Patents By Year of Application:	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
	•	· ·	· ·	•	•	•	· ·	•	•	•	· ·	•	•	•	· ·	•
Alcatel Lucent																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	5	2	0	0	7
Patents By Year of Application:	0	0	0	1	1	1	0	1	2	0	1	0	0	0	0	7
AT& T Intellectual Property II, L.P.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	1	1	0	3	1	7
Patents By Year of Application:	2	0	0	0	0	1	1	0	1	0	0	0	1	1	0	7
BlackBerry Limited	•	<u>,</u>	•	<u> </u>	~	•	<u>,</u>	•	•	•	•	•		-	<u> </u>	-
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0 3	1	6	0	7
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	3	4	0	0	7
CALIFORNIA INSTITUTE OF TECHNOLOGY																
Patents By Year of Grant:	1	1	0	1	0	0	0	0	0	0	2	1	1	0	0	7
Patents By Year of Application:	2	1	1	0	0	0	0	1	2	ů 0	0	0	0	0	0	7
CHAMBERLAIN GROUP, INC.																
Patents By Year of Grant:	2	1	1	0	0	0	0	1	0	1	0	0	0	1	0	7
Patents By Year of Application:	5	0	0	0	0	1	0	0	0	0	1	0	0	0	0	7
CITIZEN WATCH CO., LTD.																
Patents By Year of Grant:	6	0	0	1	0	0	0	0	0	0	0	0	0	0	0	7
Patents By Year of Application:	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Generally Taballactural December 777																
Crucible Intellectual Property, LLC	0	0	0	0	0	0	0	0	0	0	0	0	3	0	4	7
Patents By Year of Grant: Patents By Year of Application:	0	0	0	3	0	0	0	0	0	0	2	1	3	1	4	7
ratents by rear of apprication:	v	0	0	3	0	0	0	U	U	U	4	-	v	-	0	,
ENTEGRIS, INC.																
Patents By Year of Grant:	0	0	1	0	0	1	0	1	0	1	2	0	1	0	0	7
Patents By Year of Application:	3	1	2	0	0	0	0	0	0	0	1	0	0	0	0	7
EXXON PRODUCTION RESEARCH COMPANY																
Patents By Year of Grant:	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Patents By Year of Application:	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7

## ---- Technology Assessment and Forecast Report ----

#### REISSUE PATENTS REPORT

Organizational Patenting				(Grante	d: Jan 0	1, 1977	- Dec 31	, 2015)	R	anked Li	st of Or	ganizati	ons with	5 or	More Pat	ents
	<b>D</b>															
	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
FACEBOOK, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	5	2	7
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	1	4	2	0	0	7
FMC CORPORATION																
Patents By Year of Grant:	5	0	1	1	0	0	0	0	0	0	0	0	0	0	0	7
Patents By Year of Application:	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
F. Poszat Hu, L.L.C.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	5	1	1	0	7
Patents By Year of Application:	2	2	0	0	0	0	1	2	0	0	0	0	0	0	0	7
FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG	G DER AN	IGEWANDTE	N FORSCH	HUNG E.V.												
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	1	0	4	2	7
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	6	0	0	7
FUJI XEROX CO., LTD.																
Patents By Year of Grant:	1	0	0	0	0	0	0	1	0	1	1	1	2	0	0	7
Patents By Year of Application:	2	0	0	1	0	0	1	1	0	0	1	1	0	0	0	7
G. D. SEARLE & CO.																
Patents By Year of Grant:	3	0	0	0	0	0	0	0	0	0	1	2	1	0	0	7
Patents By Year of Application:	4	0	0	0	0	0	2	0	0	0	1	0	0	0	0	7
GENERAL INSTRUMENT CORPORATION																
Patents By Year of Grant:	4	1	0	2	0	0	0	0	0	0	0	0	0	0	0	7
Patents By Year of Application:	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
HALLIBURTON CO.																
Patents By Year of Grant:	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Patents By Year of Application:	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
HAMAMATSU PHOTONICS KABUSHIKI KAISHA																
Patents By Year of Grant:	1	0	1	0	0	0	1	1	0	0	2	0	0	0	1	7
Patents By Year of Application:	2	1	1	1	0	0	1	0	0	0	0	0	0	1	0	7
Hitachi Plasma Patent Licensing Co., I	Ltd.															
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	3	0	3	1	0	0	7
Patents By Year of Application:	0	0	0	0	0	1	0	0	2	4	0	0	0	0	0	7
HOBART CORPORATION																
Patents By Year of Grant:	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Patents By Year of Application:	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7

	Pre															
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
HUGHES AIRCRAFT COMPANY	_															_
Patents By Year of Grant:	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Patents By Year of Application:	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
IDEMITSU KOSAN COMPANY LIMITED																
Patents By Year of Grant:	5	0	0	0	0	1	0	0	0	0	0	1	0	0	0	7
Patents By Year of Application:	6	0	0	0	1	0	0	0	0	0	0	0	0	0	0	7
Intellectual Ventures II LLC																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	3	2	2	0	7
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	5	1	1	0	0	0	7
L'AIR LIQUIDE, SOCIETE ANONYME A DIRI															<u> </u>	-
Patents By Year of Grant: Patents By Year of Application:	6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	7 7
Fatents by rear of Application:	0	T	U	0	U	0	U	U	U	U	U	U	U	U	0	1
LINEAR TECHNOLOGY CORPORATION																
Patents By Year of Grant:	4	0	0	0	0	1	0	0	1	0	0	0	0	0	1	7
Patents By Year of Application:	5	0	0	0	0	1	0	0	0	0	0	0	0	1	0	7
LOCKHEED MARTIN CORPORATION																
Patents By Year of Grant:	2	0	0	1	0	0	1	1	0	2	0	0	0	0	0	7
Patents By Year of Application:	5	0	0	0	1	0	0	1	0	0	0	0	0	0	0	7
MASIMO CORPORATION	•	•					•		•			•		_		_
Patents By Year of Grant:	0	0 2	0	2 0	0	0	0	0	0	2 1	0	2 1	0	1	0	7 7
Patents By Year of Application:	0	2	0	0	U	2	U	0	T	T	0	T	U	0	0	7
MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG	G DER WIS	SENSCHAF	TEN E.V													
Patents By Year of Grant:	5	0	1	0	0	1	0	0	0	0	0	0	0	0	0	7
Patents By Year of Application:	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
MEDIATEK INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	4	0	2	1	0	0	7
Patents By Year of Application:	0	0	0	0	1	2	2	1	0	1	0	0	0	0	0	7
MITSUI CHEMICALS, INCORPORATED	-	-	_	-	-	_	-	_	-	-	_	-	-	-	_	_
Patents By Year of Grant:	3	1	0	0	0	1	0	1	0	0	1	0	0	0	0	7
Patents By Year of Application:	5	0	0	1	1	U	0	0	U	0	0	U	0	0	0	7
MULTI-FORMAT, INC.																
Patents By Year of Grant:	1	0	1	0	0	0	0	0	0	1	4	0	0	0	0	7
Patents By Year of Application:	3	0	0	4	0	0	0	0	0	0	0	0	0	0	0	7
	-	•	•	-	•	•	•		•	•		•	•	·	•	-

---- Technology Assessment and Forecast Report ----

Organizational Patenting				(Grante	d: Jan 0	1, 1977	- Dec 31	, 2015)	R	anked Li	st of Or	ganizati	ons with	5 or	More Pat	cents
	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
	2002	2002	2003	2004	2005	2000	2007	2008	2009	2010	2011	2012	2015	2014	2015	IOIAL
NATIONAL SEMICONDUCTOR CORPORATION																
Patents By Year of Grant:	1	0	0	0	1	0	2	0	1	0	0	0	2	0	0	7
Patents By Year of Application:	3	1	0	0	1	0	0	0	0	0	2	0	0	0	0	7
OWENS-ILLINOIS INC.																
Patents By Year of Grant:	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Patents By Year of Application:	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
PENN STATE RESEARCH FOUNDATION, INC.																
Patents By Year of Grant:	0	0	0	0	1	2	0	0	0	3	1	0	0	0	0	7
Patents By Year of Application:	3	0	0	0	0	0	3	1	0	0	0	0	0	0	0	7
SCHERING AKTIENGESELLSCHAFT																
Patents By Year of Grant:	1	2	1	0	0	0	2	0	1	0	0	0	0	0	0	7
Patents By Year of Application:	4	1	1	0	0	1	0	0	0	0	0	0	0	0	0	7
SMA Solar Technology AG.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	1	3	2	1	7
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	4	3	0	0	0	7
SMITH INTERNATIONAL INC.																
Patents By Year of Grant:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	1	0	7
SMITHKLINE BEECHAM CORPORATION																
Patents By Year of Grant:	1	0	0	0	0	1	3	1	1	0	0	0	0	0	0	7
Patents By Year of Application:	2	1	0	2	1	0	1	0	0	0	0	0	0	0	0	7
STAUFFER CHEMICAL COMPANY																
Patents By Year of Grant:	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Patents By Year of Application:	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
SUMITOMO CHEMICAL COMPANY, LIMITED																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	1	0	0	0	1	0	0	7
Patents By Year of Application:	5	0	1	0	0	0	0	0	0	0	0	1	0	0	0	7
TDK CORPORATION																
Patents By Year of Grant:	2	0	0	1	0	0	0	1	2	1	0	0	0	0	0	7
Patents By Year of Application:	4	0	0	0	0	3	0	0	0	0	0	0	0	0	0	7
Tian Holdings LLC																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	3	2	2	0	0	7
Patents By Year of Application:	0	0	0	0	0	0	1	4	2	0	0	0	0	0	0	7

	Pre															
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
TORAY INDUSTRIES INC. Patents By Year of Grant:	5	0	0	0	0	1	0	1	0	0	0	0	0	0	0	7
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Fatents by rear of apprication.	,	U	0	0	0	0	U	U	U	U	U	U	U	U	U	,
Transpacific Optics LLC																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	5	2	0	0	0	7
Patents By Year of Application:	0	0	0	0	1	4	2	0	0	0	0	0	0	0	0	7
UNITED STATES OF AMERICA, DEPARTMENT (																
Patents By Year of Grant:	6	0	0	0	0	0	0	0	0	0	0	0	1	0	0	7
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	1	0	0	0	7
VERINT AMERICAS INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	1	2	0	4	0	0	0	7
Patents By Year of Application:	0	0	0	0	0	7	0	0	0	0	0	- 0	0	0	0	7
WACOM CO., LTD.																
Patents By Year of Grant:	5	0	0	0	0	0	1	0	0	1	0	0	0	0	0	7
Patents By Year of Application:	6	0	0	0	0	0	1	0	0	0	0	0	0	0	0	7
WISCONSIN ALUMNI RESEARCH FOUNDATION	_															_
Patents By Year of Grant:	5 5	0	0	0	0	0	0	0	0	2	0	0	0	0	0	7
Patents By Year of Application:	5	0	U	U	U	U	0	2	U	U	U	U	U	U	U	1
658868 N.B. Inc.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	2	4	0	0	0	6
ACQIS TECHNOLOGY, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	4	2	0	0	0	0	6
Patents By Year of Application:	0	0	0	1	1	2	0	0	2	0	0	0	0	0	0	6
ADVANCED CARDIOVASCULAR SYSTEMS, INC. Patents By Year of Grant:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
received by roar of appredictor.	Ŭ	v	Ŭ	Ŭ	Ŭ	v	v	v	v	v	v	v	v	v		
AISIN SEIKI KABUSHIKI KAISHA																
Patents By Year of Grant:	2	1	1	0	0	2	0	0	0	0	0	0	0	0	0	6
Patents By Year of Application:	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	6
ALPS ELECTRIC CO., LTD.																
Patents By Year of Grant:	0	1	1	0	0	0	0	1	0	1	2	0	0	0	0	6
Patents By Year of Application:	2	0	1	1	1	1	0	0	0	0	0	0	0	0	0	6

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Organizational Patenting				(Grante	ed: Jan 0	1, 1977	- Dec 31	, 2015)	R	anked Li	st of Or	ganizati	ons with	5 or	More Pat	ents
	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
ARKRAY, INC.												_	_			-
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	6
Patents By Year of Application:	0	1	0	0	0	0	0	0	0	1	1	1	1	1	0	6
AVENTIS PHARMACEUTICALS INC.																
Patents By Year of Grant:	2	1	1	0	0	2	0	0	0	0	0	0	0	0	0	6
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
BALL CORPORATION																
Patents By Year of Grant:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
BENDIX CORPORATION (NOW ALLIED-SIGNAL	INC.)															
Patents By Year of Grant:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
B. F. GOODRICH CO.																
Patents By Year of Grant:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
BOSE CORPORATION																
Patents By Year of Grant:	4	0	0	0	0	0	0	0	0	0	0	0	1	1	0	6
Patents By Year of Application:	4	0	0	1	0	0	0	0	0	0	1	0	0	0	0	6
BROADCOM CORPORATION																
Patents By Year of Grant:	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	6
Patents By Year of Application:	2	0	0	0	0	0	0	2	0	0	0	0	1	1	0	6
CASCHEM, INC.																
Patents By Year of Grant:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
CISCO TECHNOLOGY, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	2	2	0	1	1	0	6
Patents By Year of Application:	1	0	1	1	1	1	0	0	0	0	0	1	0	0	0	6
CPC INTERNATIONAL INC.																
Patents By Year of Grant:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
CUMMINS ENGINE CO., INC.																
Patents By Year of Grant:	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6

	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
DAEWOO ELECTRONICS COMPANY, LTD.																_	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	2	0	4	0	0	0	6	
Patents By Year of Application:	0	0	0	0	0	0	0	2	0	4	0	0	0	0	0	6	
DAICEL CHEMICAL INDUSTRIES LTD.																	
Patents By Year of Grant:	3	0	0	2	0	0	1	0	0	0	0	0	0	0	0	6	
Patents By Year of Application:	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	6	
	-	_	· ·	•			•					•	•		•	· ·	
EMERSON ELECTRIC CO.																	
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	1	0	0	0	6	
Patents By Year of Application:	5	0	0	0	0	0	1	0	0	0	0	0	0	0	0	6	
Faust Communications, LLC																	
Patents By Year of Grant:	0	0	0	0	0	0	2	0	0	0	1	3	0	0	0	6	
Patents By Year of Application:	0	0	0	0	4	1	0	0	0	1	0	0	0	0	0	6	
FORD MOTOR COMPANY		•	•				•				•			•	•		
Patents By Year of Grant:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	
Patents By Year of Application:	6	0	U	0	0	0	0	0	0	0	0	U	U	0	0	6	
GENERAL SIGNAL CORPORATION																	
Patents By Year of Grant:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	
HARRIS CORP.																	
Patents By Year of Grant:	4	0	0	0	0	0	0	2	0	0	0	0	0	0	0	6	
Patents By Year of Application:	4	0	1	0	1	0	0	0	0	0	0	0	0	0	0	6	
HEIDELBERGER DRUCKMASCHINEN AG																	
Patents By Year of Grant:	3	0	0	0	0	0	0	1	0	0	1	0	0	1	0	6	
Patents By Year of Application:	3	0	0	1	0	1	0	0	0	0	0	1	0	0	0	6	
HENKEL KOMMANDITGESELLSCHAFT AUF AKTI	EN (1151-5-	EL KGAA)															
HENKEL KOMMANDITGESELLSCHAFT AUF AKTI Patents By Year of Grant:	EN (HENK 4	EL KGAA) 0	0	0	0	1	0	1	0	0	0	0	0	0	0	6	
Patents By Year of Application:	4	0	1	1	0	0	0	0	0	0	0	0	0	0	0	6	
ratente by rear of Apprication.		Ū	-	-	0	0	U U	v	v	Ū	Ū	Ū	v	Ū	0	0	
HERCULES INCORPORATED																	
Patents By Year of Grant:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	
HILL-ROM SERVICES, INC.																	
Patents By Year of Grant:	0	0	1	1	0	0	0	0	1	0	0	3	0	0	0	6	
Patents By Year of Application:	2	1	0	0	0	1	0	0	2	0	0	0	0	0	0	6	

---- Technology Assessment and Forecast Report ----

Organizational Patenting				(Grante	ed: Jan 0	1, 1977	- Dec 31	, 2015)	F	anked Li	st of Or	ganizati	ons with	5 or	More Pat	cents
	Pre															
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
HITACHI CABLE, LTD.																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	1	0	0	0	6
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	1	0	0	0	0	6
HITACHI DISPLAYS, LTD.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	4	1	0	1	0	0	6
Patents By Year of Application:	1	0	0	0	2	0	2	0	0	1	0	0	0	0	0	6
HUAWEI TECHNOLOGIES CO., LTD.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	6
Patents By Year of Application:	0	0	0	0	0	0	0	0	1	0	1	3	1	0	0	6
INDUSTRIAL TECHNOLOGY RESEARCH INSTIT	TUTE, TAI	WAN														
Patents By Year of Grant:	2	0	0	0	1	0	0	0	0	0	2	0	1	0	0	6
Patents By Year of Application:	2	1	0	0	0	0	0	0	1	0	1	1	0	0	0	6
IOWA STATE UNIVERSITY RESEARCH FOUNDA	ATION INC	•														
Patents By Year of Grant:	3	0	1	0	0	0	0	0	0	0	0	0	0	1	1	6
Patents By Year of Application:	4	0	0	0	0	0	0	0	0	0	0	1	1	0	0	6
J. M. HUBER CORPORATION																
Patents By Year of Grant:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	б
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
JOHNS-MANVILLE CORPORATION																
Patents By Year of Grant:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
LAITRAM, L.L.C.																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	1	0	0	0	0	6
Patents By Year of Application:	5	0	0	0	0	1	0	0	0	0	0	0	0	0	0	6
LAM RESEARCH CORPORATION																
Patents By Year of Grant:	0	0	1	0	0	1	1	0	0	1	0	1	0	1	0	6
Patents By Year of Application:	2	1	2	0	1	0	0	0	0	0	0	0	0	0	0	6
LEAR CORPORATION																
Patents By Year of Grant:	1	0	0	0	0	2	0	1	0	0	0	0	0	2	0	6
Patents By Year of Application:	1	2	0	0	0	1	0	0	0	0	0	0	2	0	0	6
LITTON SYSTEMS INC.																
Patents By Year of Grant:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6

	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
LUBRIZOL CORPORATION	_																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	1	0	6	
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	1	0	0	0	0	0	6	
MERCK PATENT GESELLSCHAFT MIT BESCHRA	NETED UA	FTING															
Patents By Year of Grant:	2	0	0	0	0	0	1	0	1	2	0	0	0	0	0	6	
Patents By Year of Application:	5	0	0	0	0	0	0	0	1	0	0	0	0	0	0	6	
·····																	
MITSUBISHI RAYON CO., LTD.																	
Patents By Year of Grant:	4	0	1	0	0	0	0	0	0	0	1	0	0	0	0	6	
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	
MLR, LLC																	
Patents By Year of Grant:	0	0	1	1	1	1	0	1	0	0	1	0	0	0	0	6	
Patents By Year of Application:	3	1	1	0	0	0	0	1	0	0	0	0	0	0	0	6	
MOORE BUSINESS FORMS INC.																	
Patents By Year of Grant:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	ů 0	0	6	
		•	•	· ·	•	•	•		•	•		•	•		•	·	
NSK LTD.																	
Patents By Year of Grant:	2	0	1	0	0	0	2	0	0	0	1	0	0	0	0	6	
Patents By Year of Application:	4	1	0	0	0	0	0	1	0	0	0	0	0	0	0	6	
PANTECH CO. LTD.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	1	3	2	0	0	6	
Patents By Year of Application:	0	0	0	0	0	1	0	0	2	1	1	1	0	0	0	6	
POLAROID CORPORATION																	
Patents By Year of Grant:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	
					•					·	·	·	·	·		·	
RHONE-POULENC AGROCHIMIE LIMITED																	
Patents By Year of Grant:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	
SABIC Innovative Plastics, IP BV																	
Patents By Year of Grant:	0	0	0	0	0	0	0	1	2	1	0	0	1	1	0	6	
Patents By Year of Application:	1	0	2	0	0	1	0	0	0	0	1	1	0	0	0	6	
ANGUTN KOGYO KADUGUTKI KATOW																	
SANSHIN KOGYO KABUSHIKI KAISHA Patents By Year of Grant:	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	6	
Patents By Year of Application:	4 6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	6	
racents by rear or Apprication:	0	0	0	0	v	0	U	U	U	U	U	U	U	v	0	0	

---- Technology Assessment and Forecast Report ----

Organizational Patenting				(Grante	ed: Jan 0	1, 1977	- Dec 31	, 2015)	R	anked Li	st of Or	rganizati	ons with	5 or	More Pat	ents
	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
SCHERING CORP.																
Patents By Year of Grant:	2	1	0	0	0	1	0	0	0	0	1	1	0	0	0	6
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	1	0	0	0	0	6
SGS-THOMSON MICROELECTRONICS, INC.																
Patents By Year of Grant:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
SHIMANO INDUSTRIAL COMPANY, LIMITED																
Patents By Year of Grant:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
SHIN ETSU CHEMICAL CO., LTD.																
Patents By Year of Grant:	4	0	0	0	0	0	0	1	0	1	0	0	0	0	0	6
Patents By Year of Application:	4	1	0	0	1	0	0	0	0	0	0	0	0	0	0	6
SINGER COMPANY																
Patents By Year of Grant:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Stirling Mouldings Limited																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	6
Patents By Year of Application:	4	0	0	0	0	0	0	0	0	0	0	1	1	0	0	6
SYMBOL TECHNOLOGIES, INC.																
Patents By Year of Grant:	1	0	0	0	0	0	1	2	0	1	0	1	0	0	0	6
Patents By Year of Application:	2	0	1	1	0	2	0	0	0	0	0	0	0	0	0	6
TAYLOR MADE GOLF COMPANY, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	1	1	1	1	1	0	1	0	6
Patents By Year of Application:	0	0	1	0	0	0	3	0	0	0	2	0	0	0	0	6
TORO COMPANY																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	1	0	6
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	1	0	0	0	6
UNITED STATES OF AMERICA, DEPARTMENT C	OF AGRIC	ULTURE														
Patents By Year of Grant:	4	0	0	0	0	0	0	0	0	0	1	0	1	0	0	6
Patents By Year of Application:	4	0	0	0	1	0	0	0	0	0	0	1	0	0	0	6
UNIVERSITY OF MINNESOTA, THE REGENTS C	)F															
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	1	0	6
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	1	0	0	6

	Pre															
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
UNIVERSITY OF SOUTHERN CALIFORNIA Patents By Year of Grant:	1	1	0	0	1	0	0	0	0	0	2	0	1	0	0	6
Patents By Year of Application:	3	0	0	0	1	0	1	0	0	1	0	0	0	0	0	6
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USX CORPORATION																
Patents By Year of Grant:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
WALKER DIGITAL, LLC																
Patents By Year of Grant:	0	0	0	0	1	0	1	1	0	2	1	0	0	0	0	6
Patents By Year of Application:	0	2	1	0	1	2	0	0	0	0	0	0	0	0	0	6
WESTVACO CORPORATION																
Patents By Year of Grant:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
W. R. GRACE & COCONN.																
Patents By Year of Grant:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
ZENITH ELECTRONICS CORPORATION	_									_						_
Patents By Year of Grant: Patents By Year of Application:	5	0	0	0	0	0	0	0	0	1	0	0	0	0	0	6
Patents By Year of Application:	5	U	U	U	1	U	U	U	U	U	U	U	U	U	U	0
AKZO N.V.																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
ALLERGAN, INC.																
Patents By Year of Grant:	4	0	0	0	0	1	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	4	0	0	1	0	0	0	0	0	0	0	0	0	0	0	5
AMPEX CORP. Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
racence 27 rear of Apprication:	5	Ū	Ū	Ū	Ū	Ū	Ū	Ū	Ū	Ū	Ū	Ū	Ū	Ū	Ū	-
ANGIODYNAMICS, INC.																
Patents By Year of Grant:	0	0	1	0	0	0	0	0	0	1	3	0	0	0	0	5
Patents By Year of Application:	0	1	0	0	0	0	0	0	4	0	0	0	0	0	0	5
ATELIERS DES CHARMILLES S.A.																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5

---- Technology Assessment and Forecast Report ----

Organizational Patenting				(Grante	ed: Jan 0	1, 1977	- Dec 31	, 2015)	F	anked Li	st of Or	ganizati	ons with	5 or	More Pat	cents
	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
ATLANTIC RICHFIELD COMPANY																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
AT& T Intellectual Property I, L.P.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	2	1	1	0	1	0	5
Patents By Year of Application:	0	0	0	2	0	0	0	1	0	1	0	0	1	0	0	5
AT& T Mobility II LLC																
Patents By Year of Grant:	0	0	0	0	0	0	0	1	2	0	1	1	0	0	0	5
Patents By Year of Application:	0	0	2	0	1	0	0	0	1	0	0	1	0	0	0	5
AUTOMOTIVE PRODUCTS PLC																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
BASELL POLYOLEFINE GMBH																
Patents By Year of Grant:	0	1	0	0	0	1	2	1	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
BASF CORPORATION																
Patents By Year of Grant:	4	0	0	0	0	0	0	0	0	0	0	0	0	1	0	5
Patents By Year of Application:	4	0	0	0	0	0	0	0	0	0	0	0	1	0	0	5
BAYER CROPSCIENCE KK																
Patents By Year of Grant:	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	5
BOEHRINGER MANNHEIM G.M.B.H.																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
CARDIAC PACEMAKERS, INC.																
Patents By Year of Grant:	1	0	0	1	0	0	0	0	1	0	2	0	0	0	0	5
Patents By Year of Application:	2	0	0	1	0	0	2	0	0	0	0	0	0	0	0	5
CARL ZEISS SMT AG																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	1	2	2	0	0	0	0	5
Patents By Year of Application:	2	0	0	1	1	0	1	0	0	0	0	0	0	0	0	5
CHURCH + DWIGHT CO., INC.																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5

	Pre															
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
CINCINNATI MILACRON INC.	-		•		•		•	•				•	•			_
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	U	U	U	U	U	U	U	U	U	0	U	U	5
COCA-COLA COMPANY																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Covidien LP																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	5
Patents By Year of Application:	0	0	0	0	1	0	0	0	0	0	0	0	4	0	0	5
C.R.F. SOCIETA CONSORTILE PER AZIONI																
C.R.F. SOCIETA CONSORTILE PER AZIONI Patents By Year of Grant:	0	0	0	0	0	0	0	2	0	1	0	1	1	0	0	5
Patents By Year of Application:	0	0	0	0	3	0	1	0	0	1	0	0	0	0	0	5
racenes by rear of approaction.	v	Ŭ	v	Ū	5	Ū	-	v	Ū	-	v	v	v	Ū	Ū	5
CYMER, INC.																
Patents By Year of Grant:	0	0	1	0	0	0	0	1	0	1	1	0	0	1	0	5
Patents By Year of Application:	1	0	1	0	1	1	0	0	0	0	0	0	1	0	0	5
DELPHI TECHNOLOGIES, INC.																
Patents By Year of Grant:	0	1	1	0	0	1	2	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	2	0	0	2	1	0	0	0	0	0	0	0	0	0	0	5
Digital Asset Enterprises LLC																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	2	0	2	1	0	5
Patents By Year of Application:	0	0	0	0	0	0	2	1	1	0	1	0	0	0	0	5
DISCOVISION ASSOCIATES																
Patents By Year of Grant:	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
ECOLAB INC.	2	0	-	0	0	0	0	1	0	1	0	0	0	0	0	5
Patents By Year of Grant: Patents By Year of Application:	2	0	1	0	0	1	0	1	0	0	0	0	0	0	0	5
Facence by rear of Apprication:	3	U	T	U	U	T	U	U	U	U	U	U	0	U	0	5
ENPLAS CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	1	0	1	1	1	0	0	0	0	1	5
Patents By Year of Application:	2	0	0	0	2	0	0	0	0	0	0	0	1	0	0	5
ESCO CORPORATION																
Patents By Year of Grant:	3	0	0	0	0	0	0	0	0	0	1	0	0	0	1	5
Patents By Year of Application:	4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	5

---- Technology Assessment and Forecast Report ----

Organizational Patenting				(Grante	d: Jan 0	1, 1977	- Dec 31	, 2015)	R	anked Li	st of Or	ganizati	ons with	5 or	More Pat	cents
	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
	2002	2002	2005	2004	2005	2000	2007	2008	2009	2010	2011	2012	2015	2014	2015	IOIAL
ETHICON, INC.																
Patents By Year of Grant:	4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
ETHYL CORPORATION																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
E-Z-EM, INC.																
Patents By Year of Grant:	3	0	0	0	2	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Fujitsu Semiconductor Limited																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	2	1	0	2	0	0	5
Patents By Year of Application:	1	0	1	2	0	0	0	1	0	0	0	0	0	0	0	5
GENDAQ LIMITED																
Patents By Year of Grant:	0	0	0	0	0	1	0	0	0	0	2	0	0	0	2	5
Patents By Year of Application:	1	1	2	0	0	1	0	0	0	0	0	0	0	0	0	5
GENESYS TELECOMMUNICATIONS LABORATORIES	s, INC.															
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	5
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	5
GlaxoSmithKline LLC																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	3	0	1	1	0	0	5
Patents By Year of Application:	1	0	0	0	0	1	1	0	1	0	1	0	0	0	0	5
H. LUNDBECK A/S																
Patents By Year of Grant:	3	0	0	0	0	0	0	0	0	0	1	1	0	0	0	5
Patents By Year of Application:	3	0	0	0	0	0	1	0	0	1	0	0	0	0	0	5
IBIDEN CO., LTD.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	2	1	0	1	1	0	0	5
Patents By Year of Application:	3	0	0	2	0	0	0	0	0	0	0	0	0	0	0	5
ILLINOIS TOOL WORKS INC.																
Patents By Year of Grant:	4	0	0	0	0	0	0	0	0	0	0	0	1	0	0	5
Patents By Year of Application:	4	0	0	0	0	0	0	0	0	0	1	0	0	0	0	5
INTERNATIONAL FLAVORS + FRAGRANCES INC																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5

	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
JFE STEEL CORPORATION Patents By Year of Grant:	0	0	0	0	0	0	1	0	1	0	0	0	0	1	2	5	
Patents By Year of Application:	1	1	0	0	0	0	0	0	1	0	0	0	0	2	0	5	
racence by rear or approaction.	-	-	Ū	Ū	Ū	v	Ŭ	v	-	Ū	v	v	v	-	Ū	5	
KAWASAKI JUKOGYO KABUSHIKI KAISHA																	
Patents By Year of Grant:	2	0	0	0	0	0	0	0	1	0	1	0	0	0	1	5	
Patents By Year of Application:	2	0	0	1	0	0	0	0	1	0	0	0	1	0	0	5	
LEVER BROTHERS COMPANY, DIVISION OF C																_	
Patents By Year of Grant:	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	
LEVITON MANUFACTURING CO. INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	2	2	0	0	0	5	
Patents By Year of Application:	0	0	0	0	1	0	0	0	1	3	0	0	0	0	0	5	
MAPPER LITHOGRAPHY IP B.V.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	1	3	1	5	
Patents By Year of Application:	0	0	0	0	0	0	0	1	0	0	0	3	1	0	0	5	
MATSUSHITA ELECTRIC WORKS, LTD. Patents By Year of Grant:	3	0	0	0	1	0	1	0	0	0	0	0	0	0	0	5	
Patents By Year of Application:	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	
racence by rear of approaction.	-	-	Ū	Ū	Ū	v	Ŭ	v	v	Ū	v	v	v	v	Ū	5	
MEDCO HEALTH SOLUTIONS, INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	2	0	0	3	0	0	0	0	5	
Patents By Year of Application:	2	0	0	0	0	0	0	1	2	0	0	0	0	0	0	5	
MEDRAD, INC.																	
Patents By Year of Grant:	2	1	0	0	0	0	0	0	0	0	2	0	0	0	0	5	
Patents By Year of Application:	3	0	0	0	0	0	0	2	0	0	0	0	0	0	0	5	
MICREL INCORPORATED																	
Patents By Year of Grant:	0	1	0	0	0	0	0	0	2	1	0	0	1	0	0	5	
Patents By Year of Application:	1	0	0	0	1	1	2	0	0	0	0	0	0	0	0	5	
Mold-Masters (2007) Limited																	
Patents By Year of Grant:	0	0	0	0	0	0	0	2	1	2	0	0	0	0	0	5	
Patents By Year of Application:	0	0	0	0	0	2	1	1	1	0	0	0	0	0	0	5	
MOLINS LIMITED	5	0	0	0	0	•	•	0	•	0	0	0	0	0	0	F	
Patents By Year of Grant: Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	
Facents by rear of Application:	5	U	U	U	U	U	U	U	U	0	U	U	U	U	U	5	

---- Technology Assessment and Forecast Report ----

Organizational Patenting				(Grante	ed: Jan 0	1, 1977	- Dec 31	, 2015)	R	anked Li	st of Or	ganizati	ons with	5 or	More Pat	ents
	_															
	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
	2002	2002	2003	2004	2005	2000	2007	2008	2009	2010	2011	2012	2015	2014	2015	IUIAL
NEGOTIATED DATA SOLUTIONS LLC																
Patents By Year of Grant:	0	0	0	0	1	4	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
NGK INSULATORS LTD.																
Patents By Year of Grant:	2	0	0	0	0	0	0	3	0	0	0	0	0	0	0	5
Patents By Year of Application:	2	0	0	1	2	0	0	0	0	0	0	0	0	0	0	5
NGK SPARK PLUG CO., LTD.																
Patents By Year of Grant:	2	0	0	1	0	0	0	0	0	1	0	1	0	0	0	5
Patents By Year of Application:	3	0	0	0	0	1	0	1	0	0	0	0	0	0	0	5
NICHIA CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	5
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	2	0	2	0	0	0	5
NIDEK CO., LTD.																
Patents By Year of Grant:	1	0	0	1	0	0	0	0	0	0	0	0	1	1	1	5
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	1	1	1	0	0	5
NIPPON SEIKO KABUSHIKI KAISHA																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
NIPPON THOMPSON CO., LTD.																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
NISSAN CHEMICAL INDUSTRIES, LTD.																
Patents By Year of Grant:	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
NORTH AMERICAN PHILIPS CORPORATION																
Patents By Year of Grant:	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
NORTHERN TELECOM LIMITED																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
NOVARTIS AG (FORMERLY SANDOZ LTD.)																
Patents By Year of Grant:	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	5
Patents By Year of Application:	1	0	1	0	0	0	1	0	0	0	1	0	1	0	0	5

---- Organizational Patenting

	Pre															
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
OKI ELECTRIC INDUSTRY CO., LTD.																
Patents By Year of Grant:	2	2	0	0	0	0	0	1	0	0	0	0	0	0	0	5
Patents By Year of Application:	4	0	0	0	0	1	0	0	0	0	0	0	0	0	0	5
OTIS ELEVATOR COMPANY																
Patents By Year of Grant:	3	0	0	1	1	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	5
ratenes by rear of Apprication.	5		Ū	U	U	U	Ū	Ū	U	Ū	Ū	U	Ū	Ū	Ū	5
Panasonic Intellectual Property Corpor	ration o	f Americ	a													
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	5
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	1	2	2	0	0	5
PPG INDUSTRIES INC.																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
PS4 Luxco S.A.R.L.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0	5
RAMOT AT TEL AVIV UNIVERSITY LTD.	•		•				-			-		•		_	•	_
Patents By Year of Grant: Patents By Year of Application:	0	0	0	0	0	0	1	0	0	1	2	0	0	1	0	5
Patents by fear of Application:	0	U	Ŧ	U	-	U	Ŧ	U	U	4	U	0	U	U	0	5
RESEARCH CORPORATION TECHNOLOGIES, IN	<b>-</b>															
Patents By Year of Grant:	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Rockstar Consortium US LP																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	5
Patents By Year of Application:	0	0	0	0	0	0	0	0	1	0	0	4	0	0	0	5
ROCKY RESEARCH																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
ROLLS-ROYCE PLC	-	•	•	<b>^</b>	<b>c</b>	<u>,</u>		•	•	•	•	•	•	•	<b>^</b>	-
Patents By Year of Grant:	5 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	U	U	0	U	U	U	U	U	U	U	U	U	U	0	5
SAINT-GOBAIN VITRAGE																
Patents By Year of Grant:	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
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---- Technology Assessment and Forecast Report ----

Organizational Patenting				(Grante	d: Jan 0	1, 1977	- Dec 31	, 2015)	F	anked Li	st of Or	ganizati	ons with	5 or	More Pat	cents
	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
SANDEN CORPORATION																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
SANDVIK AKTIEBOLAG																
Patents By Year of Grant:	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
SANTA FE INTERNATIONAL CORPORATION																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
SCIENTIFIC-ATLANTA, INC.																
Patents By Year of Grant:	3	0	0	0	0	1	0	0	0	0	0	0	1	0	0	5
Patents By Year of Application:	4	0	0	1	0	0	0	0	0	0	0	0	0	0	0	5
SCM CORPORATION																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
SEGA ENTERPRISES, LTD.																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
SOUTHWEST RESEARCH INSTITUTE																
Patents By Year of Grant:	1	1	0	0	0	0	1	2	0	0	0	0	0	0	0	5
Patents By Year of Application:	2	0	0	2	1	0	0	0	0	0	0	0	0	0	0	5
SRI INTERNATIONAL																
Patents By Year of Grant:	4	0	0	0	0	0	0	0	0	0	1	0	0	0	0	5
Patents By Year of Application:	4	0	0	0	0	0	0	0	0	0	1	0	0	0	0	5
STERLING DRUG INC.																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
SUNDSTRAND CORPORATION																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
TEKTRONIX INC.																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5

	Pre															
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
TELEFLEX INCORPORATED																
Patents By Year of Grant:	4	0	0	0	0	1	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
TORRINGTON COMPANY																
	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Grant: Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Fatence by rear of Apprication.	5	U	U	U	U	0	U	0	U	U	U	U	0	U	U	5
TOYODA GOSEI KABUSHIKI KAISHA																
Patents By Year of Grant:	2	0	1	0	0	0	1	0	0	1	0	0	0	0	0	5
Patents By Year of Application:	3	1	0	0	0	1	0	0	0	0	0	0	0	0	0	5
UNIROYAL, INC.																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
UNITED STATES OF AMERICA, ARMY																
Patents By Year of Grant:	3	0	0	0	0	0	0	0	1	1	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
UNITED STATES SURGICAL CORPORATION																_
Patents By Year of Grant:	3	0	0	0	1	0	0	1	0	0	0	0	0	0	0	5
Patents By Year of Application:	4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	5
Video Enhancement Solutions LLC																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	5
Patents By Year of Application:	0	0	0	0	0	0	5	ů 0	0	0	0	0	0	0	0	5
	•	•	•	· ·		· ·	-		•		•	•			· ·	
VSL PHARMACEUTICALS INC.																
Patents By Year of Grant:	0	0	0	0	0	1	2	1	0	1	0	0	0	0	0	5
Patents By Year of Application:	2	0	0	0	1	2	0	0	0	0	0	0	0	0	0	5
WHITAKER CORPORATION																
Patents By Year of Grant:	2	1	0	0	0	1	0	0	1	0	0	0	0	0	0	5
Patents By Year of Application:	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5
World Assets Consulting AG, LLC																_
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	1	3	1	5
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	4	1	0	0	0	5
WYETH																
WYETH Patents By Year of Grant:	0	0	0	0	0	0	0	1	0	2	1	0	0	1	0	5
Patents By Year of Grant: Patents By Year of Application:	1	0	0	0	1	1	1	0	0	2	0	0	1	0	0	5
Fatenes by rear of Apprication:	1	0	U	0	T	1	1	U	U	0	0	0	1	0	0	5

REISSUE PATENTS REPORT															Page	в - 40
Organizational Patenting				(Grante	d: Jan 0	1, 1977	- Dec 31	, 2015)	R	anked Li	st of Or	ganizati	ons with	5 or	More Pat	cents
	Pre															
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
XILINX, INC.																
Patents By Year of Grant:	4	0	0	0	0	0	0	1	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Other Organizations (5908)																
Patents By Year of Grant:	4004	212	205	142	116	260	263	307	191	353	489	392	377	304	260	7875
Patents By Year of Application:	4992	277	273	275	265	237	223	230	195	171	218	283	175	60	1	7875