STATUTORY INVENTION REGISTRATIONS AND DEFENSIVE PUBLICATIONS

JANUARY 1, 1977 -- DECEMBER 31, 2015



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A PATENT TECHNOLOGY MONITORING TEAM REPORT

Statutory Invention Registrations and Defensive Publications Report 1/1/1977 - 12/31/2015 Explanation of Data

This Patent Technology Monitoring Team (PTMT) report profiles patent activity for U.S. statutory invention registrations and defensive publications (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

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 1 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 **statutory invention registrations and defensive publications** are not available.

Part A1 Patent Grants as Distributed By Year of Patent Grant

		Patents	Granted	By D	ate Of	Patent	Grant	(Granted:	Jan 01,	1977 -	Dec 31,	2015)				
							N	UMBER OF	PATENTS							
	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 To	tal
Total	2494	49	36	20	23	32	29	20	6	17	15	8	14	6		2769
U.S. Origin	2227	49	35	19	23	28	26	20	5	15	14	7	14	4		2486
Foreign Origin	267		1	1		4	3		1	2	1	1		2		283
JAPAN	140															140
UNITED KINGDOM	60					1	1							1		63
CANADA	17									2	1					20
GERMANY	12													1		13
NETHERLANDS	9						1									10
FRANCE	7															7
SWITZERLAND	5															5
AUSTRALIA	3					1										4
INDIA	3											1				4
SOUTH AFRICA	2		1				1									4
ITALY	3															3
BELGIUM	3															3
INDONESIA	1															1
SWEDEN	1															1
TAIWAN	1															1
ISRAEL				1												1
CZECH REPUBLIC						1										1
AUSTRIA						1										1
MALAYSIA									1							1
Ownership:																
U.S. Corporations	682	27	25	7	10	8	14	9	2	9	3	2	4	6		808
U.S. Government	1049	19	7	12	11	18	10	10	3	5	10	4	7			.165
U.S. Individuals	530	3	2			2	2	1		1	1	1	1			544
5121 <u></u>			_			_	_			_	-					·
Foreign Corporations	143		2		2	3	2				1		2			155
Foreign Government			_		_	-	-				-		_			0
Foreign Individuals	90			1		1	1		1	2		1				97
10101911 IIIQIVIQUQIB	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,								-	4		-				

		Patents	Granted	By Da	te Of	Patent	Grant	(Granted:	Jan 01,	1977 -	Dec 31,	2015)				
							P	ERCENT OF	PATENTS							
	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
U.S. Origin	89	100	97	95	100	88	90	100	83	88	93	88	100	67		90
Foreign Origin	11		3	5		13	10		17	12	7	13		33		10
JAPAN	6															5
UNITED KINGDOM	2					3	3							17		2
CANADA	1									12	7					1
GERMANY														17		0
NETHERLANDS							3									0
FRANCE																0
SWITZERLAND																0
AUSTRALIA						3										0
INDIA												13				0
SOUTH AFRICA			3				3									0
ITALY																0
BELGIUM																0
INDONESIA																0
SWEDEN																0
TAIWAN																0
ISRAEL				5												0
CZECH REPUBLIC						3										0
AUSTRIA						3										0
MALAYSIA									17							0
Ownership:																
U.S. Corporations	27	55	69	35	43	25	48	45	33	53	20	25	29	100		29
U.S. Government	42	39	19	60	48	56	34	50	50	29	67	50	50			42
U.S. Individuals	21	6	6			6	7	5		6	7	13	7			20
Foreign Corporations	6		6		9	9	7				7		14			6
Foreign Government	_				-	_	•									0
Foreign Individuals	4			5		3	3		17	12		13				4

Part A2 Patent Grants as Distributed By Year of Patent Application

Foreign Individuals

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

						_	ED CENTE C	NE DAMES.	IED ADDIT	CAMTONS							
								OF PATENT									
	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	
U.S. Origin	90	97	92	81	100	86	83	100	86	100	89	75	100			90	
Foreign Origin	10	3	8	19		14	17		14		11	25				10	
JAPAN	5															5	
UNITED KINGDOM	2			6								25				2	
CANADA	1			6		14										1	
GERMANY											11					0	
NETHERLANDS							8									0	
FRANCE																0	
SWITZERLAND																0	
AUSTRALIA																0	
INDIA									14							0	
SOUTH AFRICA				6												0	
ITALY																0	
BELGIUM																0	
INDONESIA																0	
SWEDEN																0	
TAIWAN																0	
ISRAEL		3														0	
CZECH REPUBLIC			4													0	
AUSTRIA			4													0	
MALAYSIA							8									0	
Ownership:																	
U.S. Corporations	29	47	28	38	44	43	42	29	29	50	22	75	100			29	
U.S. Government	42	41	60	38	44	29	42	71	57	25	56	25				42	
U.S. Individuals	20	3	4	6	11	14					22					20	
Foreign Corporations	6	6	8	13		7				25						6	
Foreign Government																0	
Foreign Individuals	3	3		6		7	17		14							4	

Part B

Ranked Listing of Organizations with Patent Grants

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

Organizational Patenting				(Grante	d: Jan 0	1, 1977	- Dec 31,	, 2015)	R	anked Li	st of Or	ganizati	ons with	1 or 1	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	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
UNITED STATES OF AMERICA, ARMY																
Patents By Year of Grant:	414	1	0	1	0	0	0	0	0	0	0	0	1	0	0	417
Patents By Year of Application:	416	0	0	0	0	0	0	0	0	0	1	0	0	0	0	417
racense of references.											_					
UNITED STATES OF AMERICA, NAVY																
Patents By Year of Grant:	299	9	7	4	4	12	4	5	3	5	8	4	6	0	0	370
Patents By Year of Application:	329	1	10	4	2	4	5	5	3	2	4	1	0	0	0	370
racense of references.	027	_		-	_	-				_	-	_				
UNITED STATES OF AMERICA, AIR FORCE																
Patents By Year of Grant:	146	8	0	7	7	6	6	5	0	0	1	0	0	0	0	186
Patents By Year of Application:	164	13	5	2	2	0	0	0	0	0	0	0	0	0	0	186
ratenes by rear or apprication.	101		<u> </u>				J .		· ·	Ū	•			· ·	, ,	100
UNITED STATES OF AMERICA, DEPARTMENT	OF ENERG	Y														
Patents By Year of Grant:	150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	150
Patents By Year of Application:	150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	150
racenes by rear or approaction.	130						•		•	•			•	•		130
SHELL OIL COMPANY																
Patents By Year of Grant:	108	2	0	0	1	1	0	0	0	0	0	1	0	0	0	113
Patents By Year of Application:	111	1	0	0	0	0	0	0	1	0	0	0	0	0	0	113
racence by rear or appricacion.				J			J	•		· ·	•		•	· ·	J	113
CATERPILLAR INC.																
Patents By Year of Grant:	57	4	0	0	0	0	0	0	0	0	0	0	0	0	0	61
Patents By Year of Application:	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61
racenes by rear or apprication.	01		· ·				, ,		Ū	Ū	•			· ·	, ,	VI
AT&T CORP.																
Patents By Year of Grant:	40	0	1	0	0	0	0	0	0	0	0	0	0	0	0	41
Patents By Year of Application:	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41
ratenes by rear or apprication.	**						J .		· ·	Ū	•			· ·	, ,	74
E. I. DU PONT DE NEMOURS AND COMPANY																
Patents By Year of Grant:	39	0	0	0	0	0	0	0	0	0	0	0	1	0	0	40
Patents By Year of Application:	39	0	0	0	0	0	0	0	0	1	0	0	0	0	0	40
racence by rear or appricacion.	3,7	•				•	J .		· ·		•			Ū	, ,	10
FUJI PHOTO FILM CO., LTD																
Patents By Year of Grant:	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36
Patents By Year of Application:	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36
ratenes by rear or apprication.	30						J .		· ·	Ū	•			· ·	, ,	30
UNITED STATES OF AMERICA, TENNESSEE V.	ALLEY AT	THORITY														
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
racenes by rear or appricacion:	20		, ,			0		, ,	J .				Ů.	· ·	Ū.	20
INTERNATIONAL BUSINESS MACHINES CORPO	RATION															
Patents By Year of Grant:	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
Patents By Year of Application:	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
idented by rear of imprintation.											•	•	•	•		 ,

Organizational Patenting				(Grante	ed: Jan 0	1, 1977	- Dec 31	, 2015)	F	Ranked Li	st of Or	ganizati	ons with	1 or	More Pat	ents
	Pre															
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
IMPERIAL CHEMICAL INDUSTRIES PLC																
Patents By Year of Grant:	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
Patents By Year of Application:	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
KONICA CORPORATION																
Patents By Year of Grant:	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
Patents By Year of Application:	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
A. E. STALEY MANUFACTURING COMPANY																
Patents By Year of Grant:	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Patents By Year of Application:	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Dag (del cope Two																
DSC/CELCORE, INC. Patents By Year of Grant:	21	0	0	0	0	0	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
ratents by rear or apprication:	21	U	U	U	U	U	U	U	U	U	U	U	U	U	U	21
PROCTER + GAMBLE COMPANY																
Patents By Year of Grant:	17	3	0	0	0	0	0	0	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
EXXON PRODUCTION RESEARCH COMPANY																
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
FMC CORPORATION																
Patents By Year of Grant:	17	1	0	1	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
W. R. GRACE & COCONN.																
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
racenes by rear or approaction.		ŭ	·	·	·	Ů	ŭ	ŭ	Ū	·	·	·	ŭ	·	·	13
XEROX CORPORATION																
Patents By Year of Grant:	13	0	0	0	1	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
DOW CHEMICAL COMPANY																
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
BRISTOL-MYERS SQUIBB COMPANY		•	•	•	•	•			•	•	•	•	•	•	•	10
Patents By Year of Grant:	7	0	0	0	0	0	4	1	0	0	0	0	0	0	0	12
Patents By Year of Application:	7	0	0	2	2	1	0	0	0	0	0	0	0	0	0	12

Organizational Patenting				(Grante	ed: Jan 0	1, 1977	- Dec 31,	, 2015)	R	anked Li	st of Or	ganizati	ons with	1 or 1	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	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
HERCULES INCORPORATED																
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
1400100 27 1041 01 11																
CHEVRON U.S.A. INC.																
Patents By Year of Grant:	0	0	0	0	3	2	1	1	0	2	0	0	0	0	0	9
Patents By Year of Application:	1	6	2	0	0	0	0	0	0	0	0	0	0	0	0	9
EASTMAN KODAK 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
GENERAL ELECTRIC 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
UNITED STATES OF AMERICA, DEPARTMENT	OF AGRIC	ULTURE														
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
CONCO 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
KIMBERLY-CLARK WORLDWIDE, INC.																
Patents By Year of Grant:	5	1	2	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
KIORITZ CORPORATION																
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
MEDTRONIC 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
PACIMANI CITEMTOAT COMPANY																
EASTMAN CHEMICAL COMPANY	4	0	2	0	1	0	0	•	0	0	0	0	0	0	0	7
Patents By Year of Grant: Patents By Year of Application:	4 5	2	0	0	1 0	0	0	0 0	0	0	0	0	0	0	0	7
ratents by rear or Apprication:	5	4	U	U	U	U	U	U	U	U	U	U	U	U	U	<i>,</i>
ELI LILLY AND COMPANY																
Patents By Year of Grant:	0	3	3	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
racence by rear or appricacion:	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	•

--- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2015) ---- Ranked List of Organizations with 1 or More Patents ----Pre TOTAL E. R. SQUIBB + SONS, INC. Patents By Year of Grant: Patents By Year of Application: EXXON CHEMICALS PATENTS INC. Patents By Year of Grant: Patents By Year of Application: EXXON RESEARCH + ENGINEERING CO. Patents By Year of Grant: n Patents By Year of Application: ATLANTIC RICHFIELD COMPANY Patents By Year of Grant: Patents By Year of Application: FIRESTONE TIRE & RUBBER CO. Patents By Year of Grant: Patents By Year of Application: HALLIBURTON ENERGY SERVICES, INC. Patents By Year of Grant: Patents By Year of Application: HENKEL CORPORATION Patents By Year of Grant: Patents By Year of Application: OPUSWAVE NETWORKS, INC. Patents By Year of Grant: Patents By Year of Application: WESTINGHOUSE ELECTRIC CORP. Patents By Year of Grant: Patents By Year of Application: CETUS CORPORATION Patents By Year of Grant: Patents By Year of Application: GOODYEAR TIRE + RUBBER COMPANY Patents By Year of Grant: Patents By Year of Application: n

Organizational Patenting				(Grante	d: Jan 0	1, 1977	- Dec 31,	2015)	R	anked Li	st of Or	ganizati	ons with	1 or 1	More Pat	ents
	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
	2002	2002	2003	2001	2003	2000	2007	2000	2005	2010	2011	2012	2013	2011	2013	IOIAL
MINNESOTA MINING AND MANUFACTURING COM	IPANY															
Patents By Year of Grant:	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Patents By Year of Application:	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
MOTOROLA, INC.																
Patents By Year of Grant:	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Patents By Year of Application:	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
NIKON CORPORATION																
Patents By Year of Grant:	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	4
Patents By Year of Application:	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4
racenes by rear or apprication:	, 	_		<u> </u>			Ū		<u> </u>				, , , , , , , , , , , , , , , , , , ,	<u> </u>		•
UNITED STATES OF AMERICA, DEPARTMENT O	F HEALT	H & HUMA	N SERVIC	ES												
Patents By Year of Grant:	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Patents By Year of Application:	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
AMERICAN CYANAMID COMPANY																
Patents By Year of Grant:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Patents By Year of Application:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
ASTENJOHNSON, INC.																
Patents By Year of Grant:	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	3
Patents By Year of Application:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
BEXFORD LIMITED	_	•				•				•		•	•			•
Patents By Year of Grant:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Patents By Year of Application:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
CHRYSLER MOTORS CORPORATION																
Patents By Year of Grant:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Patents By Year of Application:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
GILLETTE COMPANY																
Patents By Year of Grant:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Patents By Year of Application:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
ISHIHARA SANGYO KAISHA LTD.																
Patents By Year of Grant:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Patents By Year of Application:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
LUCENT TECHNOLOGIES INC.																_
Patents By Year of Grant:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Patents By Year of Application:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3

STATUTORY INVENTION REGISTRATIONS AND DEFENSIVE PUBLICATIONS REPORT ---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2015) ---- Ranked List of Organizations with 1 or More Patents ----

	Pre															
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
VI DDIII ING TINIDA GONDANI																
MI DRILLING FLUIDS COMPANY Patents By Year of Grant:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Patents By Year of Application:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
MOBIL OIL CORP.																
Patents By Year of Grant:	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3
Patents By Year of Application:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
NAVISTAR INTERNATIONAL TRANSPORTATION	CORP															
Patents By Year of Grant:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Patents By Year of Application:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
NOVARTIS AG (FORMERLY SANDOZ LTD.)																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	3
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	3
RHONE-POULENC INC.																
Patents By Year of Grant:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Patents By Year of Application:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
SMITH INTERNATIONAL INC.		•			•											
Patents By Year of Grant: Patents By Year of Application:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
ratenes by rear or apprication:	3	U	O	U	U	Ū	U	U	U	U	U	Ü	U	Ū	Ü	3
SUN MICROSYSTEMS, INC.																
Patents By Year of Grant:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Patents By Year of Application:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
INVINCED ING. THE THE GODDON TOW																
ADVANCED NUCLEAR FUELS CORPORATION Patents By Year of Grant:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
BELOIT TECHNOLOGIES, INC.																
Patents By Year of Grant:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
BEXFORD LIMITED IMPERIAL CHEMICAL HOU	CE															
Patents By Year of Grant:	2 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
BORGWARNER INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2

Organizational Patenting				(Grante	ed: Jan 0	1, 1977	- Dec 31,	, 2015)	R	anked Li	st of Or	ganizati	ons with	1 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	2003	2000	2007	2008	2009	2010	2011	2012	2013	2014	2013	TOTAL
FORD MOTOR COMPANY																
Patents By Year of Grant:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
FUJI HUNT PHOTOGRAPHIC CHEMICALS INC.																
Patents By Year of Grant:	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
HALOCARBON PRODUCTS CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	2
Patents By Year of Application:	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2
HAY & FORAGE INDUSTRIES																
Patents By Year of Grant:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
H. C. STARCK, INC.																
Patents By Year of Grant:	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
HOECHST CELANESE CORPORATION	_					_							_			_
Patents By Year of Grant:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	U	0	0	U	0	0	2
THEFTOM NORMY AMERICA () D. I																
INVISTA NORTH AMERICA S.A.R.L. Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2
Pacenics by rear or Apprication:	U	U	U	U	U	U	U	U	U	U	1	1	U	U	U	2
KEARNEY + TRECKER CORPORATION																
Patents By Year of Grant:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
14001105 2/ 1041 01 11-2-10401011	_												<u> </u>			_
LUBRIZOL CORPORATION																
Patents By Year of Grant:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
MALLINCKRODT, INC.																
Patents By Year of Grant:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
MCNEIL-PPC, INC.																
Patents By Year of Grant:	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2

Organizational Patenting				(Grante	ed: Jan 0	1, 1977	- Dec 31	, 2015)	I	Ranked Li	st of Or	ganizati	ons with	1 or	More Pat	ents
	Pre															
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
MITSUBISHI RAYON CO., LTD.																
Patents By Year of Grant:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
MONSANTO TECHNOLOGY, LLC																
Patents By Year of Grant:	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	2
Patents By Year of Application:	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2
NIPPONDENSO CO., LTD.		•				•		•			•					
Patents By Year of Grant:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
OTIS ENGINEERING CORPORATION																
Patents By Year of Grant:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
POLAROID CORPORATION																
Patents By Year of Grant:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
RCA CORPORATION																
Patents By Year of Grant:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
RECOGNITION EQUIPMENT INCORPORATED																
Patents By Year of Grant:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
ratenes by rear or apprication.		Ū	Ū	Ū	·	Ū	Ū	Ū	Ū	· ·	Ū	Ū	Ū	Ū	Ū	2
RHONE-POULENC AG COMPANY INC.																
Patents By Year of Grant:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
SASOL TECHNOLOGY (PROPRIETARY) LIMITE	D															
Patents By Year of Grant:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
SCIENTIFIC-ATLANTA, INC.									_							
Patents By Year of Grant:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
SNP Consortium																
Patents By Year of Grant:	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2
Patents By Year of Application:	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
racence by rear or appricacion:	-	-	3	3	3	3	Ū	Ü	3	3	J	Ū	J	J	J	4

Organizational Patenting				(Grante	ed: Jan 0	1, 1977	- Dec 31,	2015)	F	Ranked Li	st of Or	ganizati	ons with	1 or	More Pat	ents
	Pre															
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
SONY CORPORATION																
Patents By Year of Grant:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Pacents by rear or Application:	2	U	U	U	U	U	U	U	U	U	U	U	U	U	U	2
SYMANTEC CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
				_												_
TEXACO CHEMICAL COMPANY																
Patents By Year of Grant:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
TEXACO INC.																
Patents By Year of Grant:	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
TREDEGAR CORPORATION																
Patents By Year of Grant:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
TYCO ELECTRONICS CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
UNITED STATES BORAX + CHEMICAL CORPOR																
Patents By Year of Grant:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
UNITED TECHNOLOGIES CORPORATION																_
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2
VITAVI AT ADDRODITATOV																
VISKASE CORPORATION	•	0	•	•	•	0	0	0	0	•	•	•	0	0	•	2
Patents By Year of Grant:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	U	U	U	U	U	U	U	U	U	U	U	U	U	U	2
ACTIVIDENTITY, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
racenes by rear or appricacion:	U	U	J.	U	0	U U	U .		· ·	_		U	U	U	J .	<u>+</u>
AFFYMETRIX, INC.																
Patents By Year of Grant:	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
ratement of imprintation.							•		<u> </u>	<u> </u>	•	•	<u> </u>			-

Organizational Patenting				(Grante	ed: Jan 0	1, 1977	- Dec 31	, 2015)	F	Ranked Li	st of Or	ganizati	ons with	1 or	More Pat	cents
	Pre															
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
AGOURON PHARMACEUTICALS, INC.																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
AHLSTROM MACHINERY, INC.																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
racenes by rear or approaction.	-	·	ŭ	Ů	·	Ů	ŭ	ŭ	·	·	ŭ	Ū	·	·	·	-
AIR PRODUCTS AND CHEMICALS, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
AKZO NOBEL NV																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
ALCAN ALUMINUM CORPORATION																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
ALLIED-SIGNAL INC.																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
racenes by rear or approaction.	-	·	·	·	·	·	·	Ū	·	·	ŭ	ŭ	·	·	·	-
ALPHA THERAPEUTIC CORPORATION																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
ANGIOTECH INTERNATIONAL AG																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
Patents By Year of Application:	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
API Kirk Containers			•						•			•				
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Patents By Year of Application:	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
ARCO CHEMICAL TECHNOLOGY, INC.																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
racines by rear or imprication.	-	J	J	J	J	•	•	J	J	v	Ū	Ū	v	·	J	-
ARIMETCO, INC.																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

Organizational Patenting				(Grante	ed: Jan 0	1, 1977	- Dec 31,	, 2015)	R	anked Li	st of Or	ganizati	ons with	1 or 1	More Pat	ents
	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
	2002	2002	2003	2001	2003	2000	2007	2000	2005	2010	2011	2012	2013	2011	2013	IOIAL
ATOCHEM OF NORTH AMERICA, INC.																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
AUBURN UNIVERSITY																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
AVENTIS PHARMACEUTICALS INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
BABOLAT VS																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BASF CORPORATION																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BASF SE																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BATESVILLE CASKET COMPANY, INC.	-	•	•	•	•	•	0	•	•	•	•	•	0	0	•	-
Patents By Year of Grant:	1 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 1
Patents By Year of Application:		U	U	U	U	U	U	0	U	U	U	U	U	U	U	1
BAYER CORPORATION																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
racence by rear or apprication.							J .		· ·			Ū	•	•	, ,	+
BBC BROWN, BOVERI & COMPANY, LIMITED																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	_															-
BEDFORD LIMITED																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BOSTON UNIVERSITY																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

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Patents By Year of Application:

Organizational Patenting				(Grante	d: Jan 0	1, 1977	- Dec 31	, 2015)	R	anked Li	st of Or	ganizati	ons with	1 or	More Pat	ents
	Pre															
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
BP AMERICA INC.	_											_	_	_		
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BRAND INSULATIONS, INC.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Grant: Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BRUNSWICK CORPORATION	1	U	U	U	U	U	U	U	U	U	U	O	O	O	U	1
	1	^	•	•	^	•	^	•	•	^	^	^	^	^	0	1
Patents By Year of Grant: Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BSH HOME APPLIANCES CORPORATION	1	U	U	U	U	U	U	U	U	U	U	O	O	O	U	1
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
	v	Ü	Ū	Ū	ŭ	Ū	ŭ	Ū	v	-	ŭ	Ů	Ů	Ů	Ü	-
BURROUGHS WELLCOME CO.		•	•	•	•	0	^	0	0	0	•	•	0	0	•	
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	U	U	U	U	U	0	U	U	U	U	U	U	U	U	1
CARDIAC PACEMAKERS, INC.		•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1
CARPENTER TECHNOLOGY CORPORATION	1	0	•	•	^	0	^	•	0	0	^	0	0	^	0	1
Patents By Year of Grant: Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
CENTRAL SPRINKLER CORPORATION	1	U	U	U	U	U	U	U	U	U	U	O	O	O	U	1
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
CEPHALON, INC.	-	Ū	Ū	Ū	ŭ	Ü	ŭ	Ü	Ü	ŭ	ŭ	v	ŭ	ŭ	Ū	-
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	_	Ū	U	U	Ū	U	Ū	U	Ū	Ū	Ū	Ū	Ū	Ū	Ū	1
CH2M HILL, INC. Patents By Year of Grant:	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
		_		J	Ū	J	U	J	3	U	U	U	U	U	J	1
CHEVRON PRODUCTS COMPANY, A DIVISION		ON U.S.A		•	•	•	•	•	•	•	•	•	•	•	•	
Patents By Year of Grant:	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1

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Page B - 13 STATUTORY INVENTION REGISTRATIONS AND DEFENSIVE PUBLICATIONS REPORT

Organizational Patenting				(Grante	d: Jan 0	1, 1977	- Dec 31	, 2015)	F	Ranked Li	st of Or	ganizatio	ons with	1 or 1	More Pat	ents	
	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
GIATROL TUGORRODATER																	
CLAIROL INCORPORATED	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Patents By Year of Grant: Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Patents by rear or Apprication:		U	U	U	U	U	U	U	U	U	U	U	U	U	U	±	
CLEMSON UNIVERSITY																	
Patents By Year of Grant:	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
COBE LABORATORIES, INC.																	
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
COFLEXIP																	
Patents By Year of Grant:	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
CPanel, Inc.	•		•				•	•					_			_	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0 1	0	0	1 0	0	0	1	
Patents By Year of Application:	0	0	0	0	0	0	U	0	0	1	0	0	U	0	0	1	
CPT CORPORATION (MINNESOTA)																	
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
1400.00 27 1041 01 1.551104010111																-	
CRAY RESEARCH, INC.																	
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
CREATACARD, INC.																	
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
CRS HOLDINGS, INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	
Patents By Year of Application:	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	
CDVOVAC TNC																	
CRYOVAC, INC. Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
ratemes by rear or apprication:		J	J	J			J		J	J	J			J	J	*	
CYTOGEN CORPORATION																	
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	

Organizational Patenting				(Grante	d: Jan 0	1, 1977	- Dec 31	, 2015)	F	Ranked Li	st of Or	ganizati	ons with	1 or 1	More Pat	ents
	Pre															
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
DAINIPPON SCREEN MFG. CO., LTD.																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
DATA GENERAL CORP.																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
DAVIS-STANDARD CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
DEKALB GENETICS CORPORATION																
Patents By Year of Grant:	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
DRESSER INDUSTRIES, INC.																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
DUPONT DOW ELASTOMERS, L.L.C.																
Patents By Year of Grant:	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
ELECTRIC POWER RESEARCH INSTITUTE, INC	•															
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
EMERSON ELECTRIC CO.																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
EMHART INDUSTRIES, INC.	1	•	•	^	^	^	^	^	^	^	^	^	^	^	0	1
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1
ENGELHARD CORPORATION Patents By Year of Grant:	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
	_	U	U	J	U	Ū	J	Ū	Ū	U	Ū	Ū	U	U	J	±
ETHICON ENDO-SURGERY, INC. Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
racents by rear or Apprication:	_	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1

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Organizational Patenting				(Grante	ed: Jan 0	1, 1977	- Dec 31	, 2015)	F	Ranked Li	st of Or	ganizati	ons with	1 or 1	More Pat	ents	
	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
EXXON CHEMICAL COMPANY LAW TECHNOLOGY																	
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
EXXONMOBIL CHEMICAL PATENTS INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
THE PROPERTY OF THE PROPERTY O	O16D 1 1997																
EXXONMOBIL RESEARCH AND ENGINEERING C	OMPANY 0	•	•	•	•	•	•	•	•		•	•	•	•	•	-	
Patents By Year of Grant:	•	0	0	0	0 1	0	0	0	0	1 0	0	0	0	0 0	0	1 1	
Patents By Year of Application:	0	0	0	U	1	0	U	U	0	U	U	0	U	U	U	1	
Farmak, a.s.																	
Patents By Year of Grant:	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	
Patents By Year of Application:	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	
racents by rear or apprication:	0	U		U	U	U	U	U	· ·		U	U	U	U	U		
FIBERWEB NORTH AMERICA, INC.																	
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
racenes by rear or approaches.	-		, ,	· ·			•							· ·	· ·	-	
GENENTECH, INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
GENESIS MICROCHIP INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	
Patents By Year of Application:	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	
GENETICS INSTITUTE, INC.																	
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
GLYCO CHEMICALS, INC.																	
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
GOLDMAN, SACHS & CO.																	
Patents By Year of Grant:	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
and the training of the																	
GRACE ITALIANA S.P.A.	4	•	^	^	•	•	^	^	^	^	•	^	^	^	^	-	
Patents By Year of Grant:	1 1	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0	1 1	
Patents By Year of Application:	1	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1	

Secretary Secr
Greater Kansas City Community Foundation Patents By Year of Grant: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Patents By Year of Grant:
Patents By Year of Grant: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Patents By Year of Application: 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
GREAT LAKES CHEMICAL CORPORATION Patents By Year of Grant: 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Patents By Year of Grant: 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Patents By Year of Grant: 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Patents By Year of Application: 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
GTE MOBILE COMMUNICATIONS SERVICE CORPORATION Patents By Year of Grant: 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Patents By Year of Grant: 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Patents By Year of Application: 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Gyro Energy Limited Patents By Year of Grant: 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0
Patents By Year of Grant: 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0
Patents By Year of Grant: 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0
Patents By Year of Application: 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
HALLIBURTON CO. Patents By Year of Grant: 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Patents By Year of Grant: 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Patents By Year of Grant: 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Patents By Year of Application: 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
HENNING BERLIN GMBH CHEMIE- UND PHARMAWERK Patents By Year of Grant: 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Patents By Year of Grant: 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Patents By Year of Grant: 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Patents By Year of Application: 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
HEUER-LEONIDAS S.A. Patents By Year of Grant: 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Patents By Year of Grant: 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 Patents By Year of Application: 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 HUTCHINSON TECHNOLOGY INC. Patents By Year of Grant: 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1
Patents By Year of Grant: 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 Patents By Year of Application: 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 HUTCHINSON TECHNOLOGY INC. Patents By Year of Grant: 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1
Patents By Year of Application: 1 0
HUTCHINSON TECHNOLOGY INC. Patents By Year of Grant: 1 0 0 0 0 0 0 0 0 0 0 0 0 1
Patents By Year of Grant: 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1
Patents By Year of Grant: 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1
Patents By Year of Application: 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1
ICI AMERICAS INC.
Patents By Year of Grant: 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1
Patents By Year of Application: 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1
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IMPLANT INNOVATIONS, INC.
Patents By Year of Grant: 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1
Patents By Year of Application: 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1
INOAC CORP.
Patents By Year of Grant: 1 0 0 0 0 0 0 0 0 0 0 0 0 1
Patents By Year of Application: 1 0 0 0 0 0 0 0 0 0 0 0 0 1

Organizational Patenting				(Grante	ed: Jan 0	1, 1977	- Dec 31,	, 2015)	R	anked Li	st of Or	ganizati	ons with	1 or 1	More Pat	ents
	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
	2002	2002	2003	2004	2003	2000	2007	2008	2009	2010	2011	2012	2013	2014	2013	TOTAL
INTIER AUTOMOTIVE INC.																
Patents By Year of Grant:	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
ISLAND GRAPHICS CORPORATION																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
JOHNSON CONTROLS TECHNOLOGY COMPANY																
Patents By Year of Grant:	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
KANEGAFUCHI CHEMICAL INDUSTRY CO., LTI	o.															
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
KAO KABUSHIKI KAISHA (KAO CORPORATION)																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
KENNECOTT CORPORATION																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
KIMBERLY-CLARK CORPORATION	_					_							_			
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
TODE TVG																
KOBE, INC.		•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Patents By Year of Grant:	1 1	0 0	0	0	0	0	0	0 0	0	0	0	0 0	0	0	0	1 1
Patents By Year of Application:	1	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1
KRATON POLYMERS US LLC																
	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Grant:	1	0	0	1 0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1
K. W. MUTH COMPANY, INC.																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
racenes 2, rear or apprication:	_	J .	J	, ,								, ,		, ,	Ü	-
LEAR DONNELLY OVERHEAD SYSTEMS L.L.C.																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	_										•	•		•		-

Patents By Year of Application:

--- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2015) ---- Ranked List of Organizations with 1 or More Patents ----Pre TOTAL LORILLARD TOBACCO COMPANY Patents By Year of Grant: Patents By Year of Application: MACHINE BUILDERS AND DESIGN, INC. Patents By Year of Grant: Patents By Year of Application: MEAD CORPORATION Patents By Year of Grant: Patents By Year of Application: Merisol (RSA) (Proprietary) Limited Patents By Year of Grant: Patents By Year of Application: MERITOR HEAVY VEHICLE SYSTEMS, LLC Patents By Year of Grant: Patents By Year of Application: METHODE ELECTRONICS, INC. Patents By Year of Grant: Patents By Year of Application: METTON AMERICA, INC. Patents By Year of Grant: Patents By Year of Application: MICROTRONIC A/S Patents By Year of Grant: Patents By Year of Application: MINOLTA CAMERA CO., LTD. Patents By Year of Grant: Patents By Year of Application: MITSUBISHI OIL CO., LTD. Patents By Year of Grant: Patents By Year of Application: MOLI ENERGY (1990) LIMITED Patents By Year of Grant:

Organizational Patenting				(Grante	ed: Jan 0	1, 1977	- Dec 31	, 2015)	F	anked Li	st of Or	ganizati	ons with	1 or	More Pat	ents
	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
	2002	2002	2003	2001	2005	2000	2007	2000	2003	2010	2011	2012	2013	2011	2013	1011111
MONADNOCK LIFETIME PRODUCTS, INC.																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
MONSANTO COMPANY, INC.																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
MOORE BUSINESS FORMS INC.																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
racence by rear or apprication:	_		J	J			<u> </u>	J	J	J		J J	, ,		J	-
MORNING PRIDE MANUFACTURING, L.L.C.																
Patents By Year of Grant:	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
MORTON INTERNATIONAL, INC.																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
MORTON THIOKOL, INC.																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
MILET BEGIL GUGERNA TVA																
MULTI-TECH SYSTEMS, INC. Patents By Year of Grant:	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
racenes by rear or apprication:		J	J	J	U	U	U	U	J	J	J	U	U	U	J	±
NATIONAL SEMICONDUCTOR CORPORATION																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
NEW VENTURE GEAR, INC.																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
NGK SPARK PLUG CO., LTD.																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
NITHON NOUVARIL CO. LED																
NIHON NOHYAKU CO. LTD. Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
racenes by rear or apprication:		J	J	J	U	U	U	U	J	J	J	U	U	U	J	±

Patents By Year of Application:

Organizational Patenting				(Grante	ed: Jan 0	1977	- Dec 31	, 2015)	F	anked Li	st of Or	ganizati	ons with	1 or	More Pat	ents	-
	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
NITTO BOSEKI CO., LTD.																	
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
NORDSON CORPORATION																	
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
NORFOLK SOUTHERN CORPORATION	_				•		•		•					•		_	
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Patents By Year of Application: NORTON COMPANY	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
NUTRASWEET COMPANY																	
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
OCCIDENTAL CHEMICAL CORPORATION																	
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
OKI AMERICA, INC.																	
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
OKURA YUSOKI KABUSHIKI KAISHA																	
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
OMAX CORPORATION	•	•	•	•	^	•	•	•	^	-	•	•	•	•	•		
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Patents By Year of Application: ORACLE CORPORATION	0	0	0	U	U	0	1	U	U	U	U	U	U	U	U	1	
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
ORACLE INTERNATIONAL CORPORATION																	
Patents By Year of Grant:	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	

Organizational Patenting				(Grante	ed: Jan 0	1, 1977	- Dec 31,	, 2015)	R	anked Li	st of Or	ganizati	ons with	1 or	More Pat	cents
	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
	2002	2002	2003	2001	2003	2000	2007	2000	2005	2010	2011	2012	2013	2011	2013	1011111
OTIS ELEVATOR COMPANY																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
PALL CORPORATION																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
PENNSYLVANIA DEPARTMENT OF TRANSPORTA	m T O N															
PENNSYLVANIA DEPARTMENT OF TRANSPORTA Patents By Year of Grant:	TION 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
racents by rear or Apprication:	1	U	J	U	U	U	U	U	U	U	U	U	U	U	J	1
PHARMACIA & UPJOHN COMPANY																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
PIXAR																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
PPG INDUSTRIES INC.																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
PROGREGG LAR MEGRON GO. LER																
PROCESS LAB. MICRON CO., LTD. Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
ratenes by rear or apprication:		U	U	U	0		U	U	U		U	U		U	U	<u> </u>
PULLMAN, INCORPORATED																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
QUANTUM CHEMICAL CORPORATION																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
REVLON CONSUMER PRODUCTS CORPORATION	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	U	0	U	U	U	0	0	U	U	U	U	U	U	1
REYNOLDS METALS COMPANY																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

Patents By Year of Application:

--- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2015) ---- Ranked List of Organizations with 1 or More Patents ----Pre TOTAL RHONE-POULENC CHEMICALS LTD. Patents By Year of Grant: Patents By Year of Application: RHONE-POULENC RORER PHARMACEUTICALS INC. Patents By Year of Grant: Patents By Year of Application: O RHONE-POULENC SECTEUR AGROCHIMIE Patents By Year of Grant: Patents By Year of Application: RICHARDSON CHEMICAL COMPANY Patents By Year of Grant: Patents By Year of Application: RICHARD WOLF GMBH Patents By Year of Grant: Patents By Year of Application: R. J. REYNOLDS TOBACCO COMPANY Patents By Year of Grant: Patents By Year of Application: ROGERS CORPORATION Patents By Year of Grant: Patents By Year of Application: RRI Holdings, Inc. Patents By Year of Grant: Patents By Year of Application: SANDIA CORPORATION Patents By Year of Grant: Patents By Year of Application: SANDOZ AG Patents By Year of Grant: Patents By Year of Application: SCHUMANN SASOL (SOUTH AFRICA) (PROPRIETARY) LIMITED Patents By Year of Grant:

Organizational Patenting				(Grante	d: Jan 0	1, 1977	- Dec 31	, 2015)	R	anked Li	st of Or	ganizati	ons with	1 or 1	More Pat	ents
	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
	2002	2002	2003	2004	2003	2000	2007	2000	2005	2010	2011	2012	2013	2014	2013	IOIAL
SEAGATE TECHNOLOGY, LLC																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
SEALED AIR CORPORATION (U.S.)																
Patents By Year of Grant:	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
SEAQUIST CLOSURES FOREIGN, INC.																
Patents By Year of Grant:	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
SEH AMERICA, INC.																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
SEMATECH, INC.																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
SEMICONDUCTOR ENERGY LABORATORY CO.,																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
SHERWOOD SERVICES AG																
Patents By Year of Grant:	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
SHIONOGI + CO. LTD.	_	_	_		_	_					_					_
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
SIEMENS VDO AUTOMOTIVE CORPORATION	•	•	•	-	•	•	•	•	•	•	•	•	•	•	•	
Patents By Year of Grant:	0	0	0 1	1	0	0 0	0	0	0	0	0	0	0	0	0	1 1
Patents By Year of Application:	0	U		U	U	U	U	U	U	U	U	U	U	U	U	1
SIMPSON STRONG-TIE COMPANY, INC.																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Grant: Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 1
racence by rear or Approvacion:	1	U	U	U	U	U	U	U	U	U	U	U	U	U	U	<u> </u>
SINCLAIR OIL CORPORATION																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
racence by rear or appricacion:		J			· ·		· ·	J		· ·				·	J	-

--- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2015) ---- Ranked List of Organizations with 1 or More Patents ----Pre TOTAL SMITHKLINE BEECHAM CORPORATION Patents By Year of Grant: Patents By Year of Application: SOLUTIA INC. Patents By Year of Grant: Patents By Year of Application: O SONY ELECTRONICS INC. Patents By Year of Grant: Patents By Year of Application: SOUTHWEST RESEARCH INSTITUTE Patents By Year of Grant: Patents By Year of Application: STANDARD OIL COMPANY Patents By Year of Grant: Patents By Year of Application: STERLING CHEMICALS, INC. Patents By Year of Grant: Patents By Year of Application: TANDEM COMPUTERS INCORPORATED Patents By Year of Grant: Patents By Year of Application: TARGUS GROUP INTERNATIONAL Patents By Year of Grant: Patents By Year of Application: TEKTRONIX INC. Patents By Year of Grant: Patents By Year of Application: TEXAS INSTRUMENTS, INCORPORATED Patents By Year of Grant: Patents By Year of Application: TOKYO ROPE MANUFACTURING CO., LTD. Patents By Year of Grant: Patents By Year of Application:

Page B - 25 STATUTORY INVENTION REGISTRATIONS AND DEFENSIVE PUBLICATIONS REPORT

Organizational Patenting					d: Jan 0	1, 1977	- Dec 31	, 2015)	Ranked List of Organizations with 1 or More Patents								
	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
TOWMOTOR CORPORATION																	
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
TOYOTA JIDOSHA K.K.	_		•									•				_	
Patents By Year of Grant:	1 1	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0	1	
Patents By Year of Application:	1	U	0	0	0	U	U	0	U	0	U	0	U	0	U	1	
ULTRAPOINTE CORPORATION																	
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
racents by rear of Application:		U	U	U	U	U	U	U	U	U	U	U	U	U	U		
UNISYS CORPORATION																	
Patents By Year of Grant:	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	
Patents By Year of Application:	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
racened by rear or approaches.	•	-	•						•	•		•	•	•			
UNITED STATES OF AMERICA, DEPARTMENT (OF VETER	ANS AFFA	IRS														
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	
Patents By Year of Application:	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	
VESTA CORPORATION																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	
Patents By Year of Application:	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	
WANGNER SYSTEMS CORPORATION																	
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
WHIRLPOOL CORPORATION																	
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
ZYMOGENETICS, INC.																	
Patents By Year of Grant:	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Other Organizations (0)																	
Other Organizations (0)	0	•		0	0	•	0	•	•	0	•	•	•	•	•		
Patents By Year of Grant:	0	0	0	0 0	0	0	0	0	0	0	0	0 0	0	0 0	0	0	
Patents By Year of Application:	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	