PLANT PATENTS

JANUARY 1, 1987 -- DECEMBER 31, 2011



March 2012 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

Plant Patents Report **1/1/1987 - 12/31/2011** Explanation of Data

This Patent Technology Monitoring Team (PTMT) Report profiles patent activity for U.S. plant patents (hereafter referred to as patents) granted between **January 1, 1987** and **December 31, 2011**. 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 application was 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 in the "**Pre 1998**" column correspond to the period **prior to 1998**.

Part B

Part B of this report distributes patent GRANT data for organizations that have received U.S. patents since **1987**. Data are presented by the year in which the patent was granted ("Patents By Year of Grant") and the year the patented application was filed ("Patents by Year of Application").

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

Since the average time period between filing for a utility patent and the issuing of the patent (i.e., a patent's "pendency") is now about **34** months, the patented application data for 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 period. While many of these applications eventually will be patented, they will not be patented until sometime following the end of the period displayed in this report.

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 such fluctuations would for the most part be immune from changes in PTO processing such as occurred in years such as 1986 and 2005 when the PTO issued fewer patents than would normally have been expected due to administrative reasons. 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 PTO workload (which varies between technologies), budget and manpower levels, patent printing schedules, etc.

Patent data in the "Pre 1998" column correspond to the period prior to 1998.

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 reflects ownership at the time of patent grant and does not include subsequent changes in ownership. If more than one assignee was declared at the time of grant, the patent is attributed to the first-named assignee. The U.S. and Foreign Corporations ownership categories count predominantly corporate patents; however, patents assigned to other organizations such as small businesses, nonprofit organizations, universities, etc. are also included in 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. origin patents does not equal the sum of U.S. ownership category patents.

Part B is a ranked listing of national and international organizations (i.e., corporations, universities, government agencies) which have received 5 or more U.S. plant patents since **1987**. 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 application was filed. Information on patent ownership 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 2011, patent grant data, as distributed by year of application are approximately 90% complete for utility patent applications filed in 2003, 82% complete for applications filed in 2004, 72% complete for applications filed in 2005, 61% complete for applications filed in 2006, 49% complete for applications filed in 2007, 34% complete for applications filed in 2008, and 17% complete for applications filed in 2009; data are essentially complete for applications filed prior to 2003. Currently, completion percentages restricted to plant patents are not available.

Part A1 Patent Grants As Distributed By Year of Patent Grant

							NU	MBER OF	PATENTS							
	Pre 1998	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Total
tal	4317	561	420	548	584	1133	994	1016	716	1149	1047	1240	1009	981	823	16538
U.S. Origin	2455	245	200	232	372	518	395	428	236	430	364	433	389	297	308	7302
Foreign Origin	1862	316	220	316	212	615	599	588	480	719	683	807	620	684	515	9236
NETHERLANDS	470	71	65	102	57	218	162	211	141	212	221	265	166	188	153	2702
GERMANY	471	62	53	70	22	145	166	100	80	98	131	176	137	160	112	1983
JAPAN	80	20	12	16	23	30	68	49	54	84	65	87	60	50	67	765
DENMARK	92	40	11	24	21	79	25	74	74	71	57	48	21	25	14	676
UNITED KINGDOM	159	23	18	35	9	35	42	41	37	68	49	43	45	47	23	674
FRANCE	229	27	10	9	4	26	13	8	11	23	26	38	29	48	14	515
AUSTRALIA	61	13	11	15	25	27	25	26	32	45	34	63	27	45	26	475
ISRAEL	74	12	6	3	14	8	18	15	3	38	23	19	26	15	22	296
BELGIUM	33	20	5	12	6	10	38	16	3	25	13	7	17	12	27	244
NEW ZEALAND	47	4	9	11	4	7	12	20	10	4	13	18	26	28	26	239
CANADA	51	8	6	10	7	5	5	1	3	5	8	10	14	3	6	142
COSTA RICA	25	4	2	1	9	5	4	10	10	19	7	5	6	3	2	112
ITALY	24	1	1	2		1	2	1			1	6	2	9	2	52
SPAIN	9		1	1	1		1	6	2	3		2	3	17	2	48
INDIA		2	1		1	12	7	4	3	5	8		3	1		47
SOUTH AFRICA	1	6	1		4	1	4	1	5	5	3	1	6	2	2	42
INDONESIA								2	1	1	2	6	14			26
AUSTRIA	17										3					20
TAIWAN	1								1	1			10	2	2	17
CZECH REPUBLIC									3	2	1	6		3	1	16
COLOMBIA	4					1								3	7	15
BRAZIL				2		1				1	5	3	1	1		14
IRELAND	1							1		2			3	5	1	13
ARGENTINA	2									1	2		1	6		12
SWITZERLAND	3					1	2				2	1	1	1		11
THAILAND						1	2			1		1	1	2	1	9
KOREA, SOUTH			2	1	3	1						1				8
GUERNSEY	2	1	2						1	1	1					8
RUSSIAN FEDERATION									4	2				2		8
SWEDEN	3	1	1	1	1					1						8
CHILE								2	1		1			2		6
CHINA, PEOPLE'S REPU	В										1	1		1	3	6
MEXICO			1	1		1					1			1		5
HUNGARY											4					4
HONDURAS	2						1		1							4
POLAND											1				2	3
Others (9)	1	1	2		1		2			1			1	2		11
ership:																
U.S. Corporations	2164	237	167	246	321	454	321	414	241	403	358	390	321	207	249	6493
U.S. Government	3		1			8		3	1	2			3	2	2	25
.S. Individuals	782	74	65	48	89	118	102	72	60	89	66	123	97	78	77	1940
Foreign Corporations	993	199	149	207	134	409	440	443	369	538	522	579	409	540	383	6314
Foreign Government	29	1	2	4	4	1	1			7	4	3	6	1	2	65
	346	50	36	43	36	143	130	84	45	110	97	145	173	153	110	1701

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		Patents	Granted	By Da	te Of	Patent	Grant (Granted:	Jan 01,	1987 -	Dec 31,	2011)				
	Pre 1998	1998	1999	2000	2001	2002	2003	RCENT OF 2004	2005	2006	2007	2008	2009	2010	2011	Total
	110 1330	1000	1,,,,	2000	2001	2002	2003	2001	2003	2000	2007	2000	2003	2010	2011	10041
Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
U.S. Origin	57	44	48	42	64	46	40	42	33	37	35	35	39	30	37	44
Foreign Origin	43	56	52	58	36	54	60	58	67	63	65	65	61	70	63	56
NETHERLANDS	11	13	15	19	10	19	16	21	20	18	21	21	16	19	19	16
GERMANY	11	11	13	13	4	13	17	10	11	9	13	14	14	16	14	12
JAPAN	2	4	3	3	4	3	7	5	8	7	6	7	6	5	8	5
DENMARK	2	7	3	4	4	7	3	7	10	6	5	4	2	3	2	4
UNITED KINGDOM	4	4	4	6	2	3	4	4	5	6	5	3	4	5	3	4
FRANCE	5	5	2	2	1	2	1	1	2	2	2	3	3	5	2	3
AUSTRALIA	1	2	3	3	4	2	3	3	4	4	3	5	3	5	3	3
ISRAEL	2	2	1	1	2	1	2	1		3	2	2	3	2	3	2
BELGIUM	1	4	1	2	1	1	4	2		2	1	1	2	1	3	1
NEW ZEALAND	1	1	2	2	1	1	1	2	1		1	1	3	3	3	1
CANADA	1	1	1	2	1		1		-	_	1	1	1		1	1
COSTA RICA	1	1			2			1	1	2	1		1	1		1
ITALY	1							1						1 2		0
SPAIN								1						2		
INDIA					-	1	1				1					0
SOUTH AFRICA		1			1				1				1			0
INDONESIA													1			0
AUSTRIA													1			0
TAIWAN CZECH REPUBLIC													1			
COLOMBIA															1	0
BRAZIL															_	0
IRELAND														1		0
ARGENTINA														1		0
SWITZERLAND																0
THAILAND																0
KOREA, SOUTH					1											0
GUERNSEY					_											0
RUSSIAN FEDERATION									1							0
SWEDEN									-							0
CHILE																0
CHINA, PEOPLE'S REPU	В															0
MEXICO																0
HUNGARY																0
HONDURAS																0
POLAND																0
Others (9)																0
Ownership:																
U.S. Corporations	50	42	40	45	55	40	32	41	34	35	34	31	32	21	30	39
U.S. Government						1										0
U.S. Individuals	18	13	15	9	15	10	10	7	8	8	6	10	10	8	9	12
Foreign Corporations	23	35	35	38	23	36	44	44	52	47	50	47	41	55	47	38
Foreign Government	1			1	1					1			1			0
Foreign Individuals	8	9	9	8	6	13	13	8	6	10	9	12	17	16	13	10

Part A2 Patent Grants As Distributed By Year of Patent Application

PLANT PATENTS REPORT Page A2- 1

--- Patents Granted By Date Of Patent Application (Granted: Jan 01, 1987 - Dec 31, 2011)

Toesa		Pa	tents G	ranted E	By Date	Of Pat	ent App	plication	(Grant	ed: Jan	01, 1987	- Dec 3	1, 2011)					
Total To																		
Total U.S. Octigin 2885 274 340 281 403 398 323 483 382 484 360 303 400 287 1145 17002 FURNING OCTIGIN 2885 274 340 281 403 398 323 483 580 484 360 303 400 287 1146 11 7002 FURNING OCTIGIN METHORICANDE 596 99 98 137 133 366 166 221 284 287 185 204 156 88 4 20702 GIBBANNY 500 79 31 50 112 141 83 117 127 128 185 104 156 88 4 20702 GIBBANNY 500 79 31 50 112 141 83 117 127 128 187 185 204 156 88 4 20702 GIBBANNY 119 9 34 21 38 18 18 18 18 18 18 18 18 18 18 18 18 18							1	NUMBER O	F PATENT	ED APPLI	CATIONS							
U.S. Origin 2883 274 349 283 410 388 352 382 436 369 302 400 287 146 1 7302		Pre 1998	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Total	
U.S. Origin 2883 274 349 283 410 388 352 382 436 369 302 400 287 146 1 7302																		
Porseign Origins 240 311 260 322 473 550 540 732 763 658 602 715 592 267 14 9236	Total	5292	585	618	615	903	948	901	1114	1217	1018	905	1115	879	413	15	16538	
Profession Crigatine 2409 311 269 312 473 580 589 596 570 715 592 267 14 9236	U.S. Origin	2883	274	349	283	430	398	352	382	454	360	303	400	287	146	1	7302	
MITHIBELANDS		2409	311	269	332		550	549	732		658	602			267	14	9236	
GREMAMY 139 9 34 90 122 161 83 137 127 138 150 151 177 93 88 1983 1983 1983 1983 1983 1983 198																		
GREMAMY 139 9 34 90 122 161 83 137 127 138 150 151 177 93 88 1983 1983 1983 1983 1983 1983 198	NETHEDI.ANDS	596	99	96	117	133	166	166	221	264	227	165	204	156	88	4	2702	
DARAN 119 9 34 21 38 51 55 77 72 60 61 80 55 33 755 DEMONRY 124 42 23 40 23 40 28 86 109 51 44 39 10 27 8 674 UNITED EXTROPORM 203 35 7 27 34 36 51 55 76 42 28 51 30 18 674 FRANCE 261 15 6 22 12 14 25 19 22 72 23 39 34 7 715 AUSTRALIA 91 10 15 16 27 27 18 61 34 54 41 34 33 14 475 ISRAKA 94 2 13 17 77 12 18 61 34 54 41 34 33 14 475 ISRAKA 94 2 13 17 77 12 12 18 61 34 54 41 34 33 14 475 ISRAKA 94 2 13 17 77 12 12 18 61 34 54 41 34 33 14 475 ISRAKA 94 2 13 17 77 12 12 18 18 91 18 9 18 9 18 9 18 9 18 18 18 18 18 18 18 18 18 18 18 18 18																		
DEMMAKE 144 24																0		
UNITED KINDOM 203 36 7 7 7 7 7 7 7 7 7 7 7 7 7																		
PRANCE ADDITALIA B 1																		
MITTALIA																		
Terret	FRANCE	261	15	6	22		4		19	22	27	22	39	34	7		515	
BELGIUM 58 10 6 9 25 26 8 7 24 10 8 16 34 1 2 244 NNW ZEALAND 70 3 2 1 14 7 7 20 14 9 13 22 34 20 10 239 CANADA 65 10 6 4 7 3 3 3 8 3 5 11 9 4 4 112 COSTA RICA. 32 5 8 8 2 8 3 2 8 3 5 11 9 4 4 112 COSTA RICA 12 5 8 8 2 8 3 2 8 3 5 11 9 4 4 1 12 COSTA RICA 12 5 8 8 2 8 3 2 8 3 2 8 12 8 1 12 FEATA 10 10 1 1 1 3 3 6 2 2 6 4 3 1 112 FEATA 10 10 1 1 1 1 3 4 4 3 7 1 1 2 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	AUSTRALIA	91	10	15	16	27	27	18	61	34	54	41	34	33	14		475	
NNW ZEALAND ONE SEALAND ONE SE	ISRAEL	94	2	13	17	7	12	5	18	33	18	9	36	22	10		296	
CANADA 65 10 6 4 7 3 3 3 8 3 5 11 9 4 4 112 COSTA RICA 32 5 8 8 2 8 3 26 12 2 6 4 3 1 112 FIREM 10 1 1 1 1 1 1 1 6 5	BELGIUM	58	10	6	9	25	26	8	7	24	10	8	16	34	1	2	244	
CANADA 65 10 6 4 7 3 3 3 8 3 5 11 9 4 4 112 COSTA RICA 32 5 8 8 2 8 3 26 12 2 6 4 3 1 112 FIREM 10 1 1 1 1 1 1 1 6 5	NEW ZEALAND	70	3	2	1	14	7	20	14	9	13	22	34	20	10		239	
COSTA RICAN 22 5 8 2 8 3 26 12 2 6 4 3 1 112 TIMAY 26 2 1 3 2 2 5 3 1 8 1 SPAIN 10 1 1 1 6 9 7 4 3 7 1 1 2 1 SUITH AFRICAN 8 2 2 2 2 3 3 2 4 4 4 2 2 2 5 1 1 SUITH AFRICAN 8 2 2 2 2 3 3 2 4 4 4 2 2 2 5 1 1 SUITH AFRICAN 1 1 2 2 3 2 4 4 4 4 2 2 2 5 1 1 SUITH AFRICAN 1 1 2 3 6 7 1 3 8 2 7 TAINWAN 1 1 2 3 6 7 1 3 8 2 7 TAINWAN 1 1 2 3 6 7 1 3 8 2 7 TAINWAN 1 2 3 6 7 1 3 8 2 7 TAINWAN 1 2 3 6 7 1 3 8 2 7 TAINWAN 1 2 3 6 7 1 3 8 2 7 TAINWAN 1 3 4 7 7 1 1 1 1 1 1 1 1																		
ITALY			-		8	2									1			
SPAIN 10 1 1 1 6 5			2	-				-										
INDIA 3 2 1 8 9 7 4 3 7 1 2 1 4 6 9 7 4 3 7 1 2 1 4 2 1 5 1 1 42 1 10 10 10 10 10 10 10 10 10 10 10 10 1				1	_		6	-		4	3							
SOUTH AFRICA 8 2 2 2 3 3 2 4 4 4 6 2 2 5 5 1 1 42 INDOMESIA 17									2	-				,				
NHONNESTA 17 TATMAN 17 CZECTREPUBLIC														_	_			
ALISTRIA 17 TAIWAN 1		8	2	2	2	3	2				2		5	1	1			
TATIVAN CZECH REPUBLIC COLOMBIA 4 COLOMBIA 4 COLOMBIA 4 COLOMBIA A C CLOMBIA BRAZIL 2 1 1 1 1 1 1 1 1 1 1 1 1								1	3			20						
CZECH REPUBLIC COLOMDIA 4 COLOMDIA 4 1 1 1 1 1 1 1 1 1 1 1 1										2								
COLOMEIA 4	TAIWAN	1									1	3	8	2			17	
BRAZIL INFLIAND BRAZIL BRAZIC BRAZ	CZECH REPUBLIC							1	2	3	6			4			16	
TRELAND	COLOMBIA	4				1								4	6		15	
ARGENTINA 2	BRAZIL		2		1					5	2	1	2	1			14	
SWITZERLAND 3	IRELAND	1						1		2		2	3	3	1		13	
SWITZERLAND 3	ARGENTINA	2				1		2					6	1			12	
HAILAND					1	1	1			2		1						
KOREA, SOUTH 3 4									1				1					
GUERNSEY 5		3	4		-	-	-		_				-	-				
RUSSIAN FEDERATION SWEDEN 5 1 1 CHILE CHILE CHINA, PEOPLE'S REPUB CHINA, PEOPLE'S REPUB AMEXICO 2 1 1 1 1 1 3 6 MEXICO 2 1 1 1 1 1 1 3 6 MENICO 2 1 1 1 1 1 1 1 1 1 1 1 1			-					•				-					-	
SWEDEN 5 1 1		5					4	3	2				2					
CHILE CHINA, PEOPLE'S REPUB CHINA, PEOPLE'S REPUBLIC STATEMENT OF THE PEOPLE'S REPUBLIC STATEM		_					4		2				2				-	
CHINA, PEOPLE'S REPUB MEXICO 2 1 1 1 1 1 1 3 6 MEXICO 2 5 HONDURAS 2 1 1 1 1 1 1 1 3 6 MEXICO 5 HONDURAS 2 1 1 1 1 1 1 1 1 1 1 3 6 MEXICO 5 HONDURAS 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		5	1	1				_										
MEXICO 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1								3	_	1		_	2	_	_			
HONDURAS 2 1 1 1 1 4 4 4 HUNGARY 4 4 4 5 6 5 5 6 6 6 314 Foreign Government 33 4 3 5 2 1 1 1 0 2 5 6 5 5 4 5 0 7 1 1 2 5 6 6 5 1 1 1 5 6 6 5 1 1 1 1 1 1 1 1 1												1		1	3			
HUNGARY ECUADOR 2 5 6 Others (9) 4 1 1 1 1 1 1 1 1 1 1 1 1 1									1		1							
ECUADOR 2 1 1 1 1 1 1 2 1 2 11 Ownership: U.S. Corporations 2552 273 305 268 345 341 339 379 450 325 272 303 228 112 1 6493 U.S. Government 4 1 2 8 1 2 5 5 1 1 2 25 U.S. Individuals 914 67 81 71 110 82 71 84 87 83 86 102 65 37 1940 Foreign Corporations 1335 219 164 208 322 438 404 563 554 507 413 519 447 215 6 6314 Foreign Government 33 4 3 2 2 1 10 2 7 1 2 65		2				1		1									4	
Others (9) 4 1 1 1 1 1 1 2 11 Ownership: U.S. Corporations 2552 273 305 268 345 341 339 379 450 325 272 303 228 112 1 6493 U.S. Government 4 1 2 8 1 2 5 1 1 2 5 1 6493 U.S. Individuals 914 67 81 71 110 82 71 84 87 83 86 102 65 37 1940 Foreign Corporations 1335 219 164 208 322 438 404 563 554 507 413 519 447 215 6 6314 Foreign Government 33 4 3 2 1 1 10 2 7 1 1 2 65	HUNGARY									4							4	
Ownership: U.S. Corporations 2552 273 305 268 345 341 339 379 450 325 272 303 228 112 1 6493 U.S. Government 4 1 2 8 1 2 5 1 1 25 U.S. Individuals 914 67 81 71 110 82 71 84 87 83 86 102 65 37 1940 Foreign Corporations 1335 219 164 208 322 438 404 563 554 507 413 519 447 215 6 6314 Foreign Government 33 4 3 2 1 1 10 2 7 1 2 65	ECUADOR				2								1				3	
U.S. Corporations 2552 273 305 268 345 341 339 379 450 325 272 303 228 112 1 6493 U.S. Government 4 1 2 8 1 2 5 1 1 25 U.S. Individuals 914 67 81 71 110 82 71 84 87 83 86 102 65 37 1940 Foreign Corporations 1335 219 164 208 322 438 404 563 554 507 413 519 447 215 6 6314 Foreign Government 33 4 3 2 1 1 10 2 7 1 2 65	Others (9)	4			1				1	1		1	1		2		11	
U.S. Corporations 2552 273 305 268 345 341 339 379 450 325 272 303 228 112 1 6493 U.S. Government 4 1 2 8 1 2 5 1 1 25 U.S. Individuals 914 67 81 71 110 82 71 84 87 83 86 102 65 37 1940 Foreign Corporations 1335 219 164 208 322 438 404 563 554 507 413 519 447 215 6 6314 Foreign Government 33 4 3 2 1 1 10 2 7 1 2 65																		
U.S. Corporations 2552 273 305 268 345 341 339 379 450 325 272 303 228 112 1 6493 U.S. Government 4 1 2 8 1 2 5 1 1 25 U.S. Individuals 914 67 81 71 110 82 71 84 87 83 86 102 65 37 1940 Foreign Corporations 1335 219 164 208 322 438 404 563 554 507 413 519 447 215 6 6314 Foreign Government 33 4 3 2 1 1 10 2 7 1 2 65	Ownership:																	
U.S. Government 4 1 2 8 1 2 5 1 1 25 U.S. Individuals 914 67 81 71 110 82 71 84 87 83 86 102 65 37 1940 Foreign Corporations 1335 219 164 208 322 438 404 563 554 507 413 519 447 215 6 6314 Foreign Government 33 4 3 2 1 10 2 7 1 2 65	_	2552	273	305	268	345	341	339	379	450	325	272	303	228	112	1	6493	
U.S. Individuals 914 67 81 71 110 82 71 84 87 83 86 102 65 37 1940 Foreign Corporations 1335 219 164 208 322 438 404 563 554 507 413 519 447 215 6 6314 Foreign Government 33 4 3 2 1 10 2 7 1 2 65			_															
Foreign Corporations 1335 219 164 208 322 438 404 563 554 507 413 519 447 215 6 6314 Foreign Government 33 4 3 2 1 10 2 7 1 2 65			67				82			27	83	86						
Foreign Government 33 4 3 2 1 10 2 7 1 2 65	U.D. INGIVIQUEIS	914	07	91	, 1	110	02	/1	07	07	03	00	102	0.5	31		1940	
Foreign Government 33 4 3 2 1 10 2 7 1 2 65	Females Commentis	1225	210	1.64	200	200	420	404	E C 2	E F 4	E07	412	E10	4 4 77	215	_	6214	
					208		430				507				215	0		
Foreign Individuals 454 22 64 66 116 87 85 76 124 103 127 185 136 48 8 1701												-						
	Foreign Individuals	454	22	64	66	116	87	85	76	124	103	127	185	136	48	8	1701	

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-	Pat	ents Gr	anted B	y Date	Of Pat	ent App	plication	(Grant	ed: Jan	01, 1987	- Dec 3	1, 2011)		-			
						1	PERCENT OF	PATENT	ED APPLI	CATIONS							
	Pre 1998	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Total	
Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
U.S. Origin	54	47	56	46	48	42	39	34	37	35	33	36	33	35	7	44	
Foreign Origin	46	53	44	54	52	58	61	66	63	65	67	64	67	65	93	56	
NETHERLANDS	11	17	16	19	15	18	18	20	22	22	18	18	18	21	27	16	
GERMANY	11	14	5	8	12	17	9	11	10	14	17	14	16	14	53	12	
JAPAN	2	2	6	3	4	5	6	7	6	6	7	7	6	8		5	
DENMARK	3	4	7	4	4	3	10	10	4	4	4	1	3	2		4	
UNITED KINGDOM	4	6	1	4	4	4	6	3	6	4	3	5	3	4		4	
FRANCE	5	3	1	4	1	_	3	2	2	3	2	3	4	2		3	
AUSTRALIA	2	2	2	3	3	3	2	5	3	5	5	3	4	3		3	
ISRAEL	2		2	3	1	1	1	2	3	2	1	3	3	2		2	
BELGIUM	1	2	1	1	3	3	1	1	2	1	1	1	4		13	1	
NEW ZEALAND	1	1	_	_	2	1	2	1	1	1	2	3	2	2		1	
CANADA	1	2	1	1	1	-		1			1	1		1		1	
COSTA RICA	1		1	1		1		2	1		1		-			1	
ITALY													1			0	
SPAIN						1	1		_			1	1			0	
INDIA				1	1	1			1							0	
SOUTH AFRICA											_					0	
INDONESIA											2					0	
AUSTRIA												_				0	
TAIWAN												1				0	
CZECH REPUBLIC										1						0	
COLOMBIA														1		0	
BRAZIL																0	
IRELAND												_				0	
ARGENTINA												1				0	
SWITZERLAND																0	
THAILAND		_														0	
KOREA, SOUTH		1														0	
GUERNSEY																0	
RUSSIAN FEDERATION																0	
SWEDEN																0	
CHILE														_		0	
CHINA, PEOPLE'S REPU	3													1		0	
MEXICO																0	
HONDURAS																0	
HUNGARY																0	
ECUADOR																0	
Others (9)																0	
Ownership:																	
U.S. Corporations	48	47	49	44	38	36	38	34	37	32	30	27	26	27	7	39	
U.S. Government					1											0	
U.S. Individuals	17	11	13	12	12	9	8	8	7	8	10	9	7	9		12	
Foreign Corporations	25	37	27	34	36	46	45	51	46	50	46	47	51	52	40	38	
Foreign Government	1	1						1			1					0	
Foreign Individuals	9	4	10	11	13	9	9	7	10	10	14	17	15	12	53	10	
	-	-				-	-										

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	ed: Jan 0	1, 1987	- Dec 31	, 2011)	R	anked Li	st of Or	ganizati	ons with	5 or 1	More Pat	cents
	Pre															
	1998	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	TOTAL
YODER BROTHERS, INC.																
Patents By Year of Grant:	332	26	22	14	77	87	41	42	19	53	71	46	39	1	0	870
Patents By Year of Application:	378	15	55	41	76	34	31	47	98	36	24	34	1	0	0	870
PAUL ECKE RANCH, INC.																
Patents By Year of Grant:	100	26	12	24	31	23	7	0	10	11	14	15	8	1	4	286
Patents By Year of Application:	130	33	32	4	17	7	0	13	13	18	8	7	1	2	1	286
BALL HORTICULTURAL COMPANY																
Patents By Year of Grant:	13	5	0	0	0	2	1	41	18	58	34	53	16	10	12	263
Patents By Year of Application:	18	0	1	1	1	3	54	45	49	32	26	12	14	7	0	263
BEAR CREEK GARDENS, INC.																
Patents By Year of Grant:	164	15	29	53	2	0	0	0	0	0	0	0	0	0	0	263
Patents By Year of Application:	202	49	12	0	0	0	0	0	0	0	0	0	0	0	0	263
TERRA-NOVA NURSERIES, INC.																
Patents By Year of Grant:	3	1	2	12	9	30	12	12	12	33	22	32	14	13	36	243
Patents By Year of Application:	5	13	12	10	19	11	11	18	33	30	21	13	33	14	0	243
FLORFIS AG																
Patents By Year of Grant:	62	7	6	3	7	57	18	15	9	25	11	13	0	0	0	233
Patents By Year of Application:	76	9	9	16	39	12	15	24	10	23	0	0	0	0	0	233
GOLDSMITH SEEDS, INC.			_		_											
Patents By Year of Grant:	22	2	3	0	1	0	27	27	44	35	24	14	25	0	0	224
Patents By Year of Application: SUNTORY FLOWERS LIMITED	27	1	0	0	0	9	44	52	34	21	11	25	0	0	0	224
Patents By Year of Grant:	0	0	0	0	0	0	5	9	11	46	19	41	42	23	28	224
Patents By Year of Application:	0	0	0	0	0	13	15	28	27	27	25	50	20	19	0	224
SYNGENTA SEEDS B.V.																
Patents By Year of Grant:	0	0	0	0	6	6	4	12	13	45	52	71	11	1	0	221
Patents By Year of Application:	0	0	2	5	5	4	20	24	55	79	20	7	0	0	0	221
POULSEN ROSER A/S																
Patents By Year of Grant:	0	10	5	19	2	2	3	45	55	38	25	14	0	1	0	219
Patents By Year of Application:	15	20	4	1	1	9	65	64	12	26	1	0	1	0	0	219
KLEMM + SOHN GMBH & CO. KG																
Patents By Year of Grant:	0	0	0	0	0	14	21	9	5	6	28	45	37	26	13	204
Patents By Year of Application:	0	0	0	0	21	15	3	13	3	62	20	30	25	12	0	204

Organizational Patenting				(Grante	ed: Jan 0	1, 1987	- Dec 31,	, 2011)	R	anked Li	st of Or	ganizati	ons with	5 or	More Pat	ents	-
	Pre 1998	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	TOTAL	
CHRYSANTHEMUM BREEDERS ASSOCIATION N	1.V.																
Patents By Year of Grant:	40	3	0	9	1	37	11	47	11	19	2	3	0	0	0	183	
Patents By Year of Application:	43	11	4	34	8	36	5	34	7	1	0	0	0	0	0	183	
DANZIGER - "DAN" FLOWER FARM																	
Patents By Year of Grant:	43	7	5	1	12	4	7	11	2	31	20	10	9	6	13	181	
Patents By Year of Application:	55	2	11	2	6	10	4	13	27	17	8	7	10	9	0	181	
OGLEVEE LTD.																	
Patents By Year of Grant:	33	3	0	9	2,3	40	25	11	1	11	10	1	0	0	0	167	
Patents By Year of Application:	36	9	6	49	20	20	4	2	20	1	0	0	0	0	0	167	
CONARD-PYLE COMPANY																	
Patents By Year of Grant:	152	7	1	0	0	0	0	0	0	0	0	0	0	0	0	160	
Patents By Year of Application:	160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	160	
CP (DELAWARE), INC.																	
Patents By Year of Grant:	0	5	5	5	4	12	18	7	9	11	11	22	15	20	5	149	
Patents By Year of Application:	8	7	5	9	14	8	14	13	10	12	16	20	10	3	0	149	
BALL FLORAPLANT, A DIVISION OF BALL	HORTICULT	URAL CO.															
Patents By Year of Grant:	7	0	0	30	18	18	51	17	1	0	0	0	0	0	0	142	
Patents By Year of Application:	7	16	32	1	19	67	0	0	0	0	0	0	0	0	0	142	
CLEANGRO, LTD.																	
Patents By Year of Grant:	18	14	11	23	2	1	5	12	15	23	4	7	0	2	0	137	
Patents By Year of Application:	43	25	0	0	7	0	29	10	11	8	2	0	2	0	0	137	
SAKATA SEED CORPORATION																	
Patents By Year of Grant:	2	0	0	0	8	14	19	10	15	12	9	17	10	4	8	128	
Patents By Year of Application:	2	0	14	8	12	9	6	18	16	5	11	17	6	4	0	128	
JACKSON & PERKINS WHOLESALE, INC.																	
Patents By Year of Grant:	0	0	0	0	31	24	9	15	1	13	3	21	3	2	0	122	
Patents By Year of Application:	0	0	35	16	10	14	4	10	9	6	16	2	0	0	0	122	
Capitol Green Investments Ltd.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	18	21	47	34	120	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	22	34	53	11	0	120	
Syngenta Crop Protection AG																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	8	64	45	117	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	29	56	32	0	117	

Organizational Patenting				(Grante	ed: Jan O	1. 1987	- Dec 31	. 2011)	F	Ranked Li	st of Or	ganizati	ons with	5 or i	More Pat	ents
o-jaminational racenting				, 52 41100		_,	200 01	,)	•			J		5 01		
	Pre															
	1998	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	TOTAL
WEEKS WHOLESALE ROSE GROWERS, INC.																
Patents By Year of Grant:	30	7	3	5	0	9	10	9	1	8	7	11	6	7	4	117
Patents By Year of Application:	38	7	1	6	12	6	6	6	7	8	7	7	6	0	0	117
Patents By Year Or Application:	36	,	1	0	12	6	0	0	,	0	,	,	0	U	U	11/
DUMMEN JUNGPFLANZEN GBR																
Patents By Year of Grant:	0	0	0	0	0	5	47	0	14	11	21	6	0	0	0	104
Patents By Year of Application:	0	0	0	0	13	39	-7	15	17	20	0	0	0	0	0	104
ratenes by rear or Apprication:	U	U	U	U	1.3	39	U	13	1/	20	U	U	U	U	U	104
NOR'EAST MINIATURE ROSES, INC.																
Patents By Year of Grant:	62	4	2	2	1	2	0	1	4	3	4	7	1	4	3	100
Patents By Year of Application:	71	0	0	2	2	2	2	3	7	3	2	2	4	0	0	100
racents by rear or Apprication:	/1	U	U	4	4	4	4	3	,	3	4	4	*	U	U	100
ELSNER PAC JUNGPFLANZEN																
Patents By Year of Grant:	2	4	1	1	0	10	13	3	2	20	12	7	14	8	1	98
Patents By Year of Application:	8	0	0	13	1	13	4	1	26	4	14	13	1	0	0	98
racence by rear or apprication:	J		3		-	1.5	-	-	20	-1	7-7	13	_		J	J 0
JOHN BODGER & SONS CO.																
Patents By Year of Grant:	9	21	6	4	7	8	0	31	5	1	5	0	0	0	0	97
Patents By Year of Application:	36	11	0	1	7	0	33	3	1	5	0	0	0	0	0	97
ratenes by rear or apprication:	30	- 11	U		,	U	33	3		,	U	U	· ·	· ·	U	31
DAVID AUSTIN ROSES LIMITED																
Patents By Year of Grant:	41	3	3	4	0	2	5	2	0	11	4	10	3	3	3	94
Patents By Year of Application:	47	4	0	3	4	0	2	3	12	7	6	0	3	3	0	94
ratenes by rear or apprication:	7,	-		3	-	U	2	3	12	,	Ü		3	3	U	71
VAN STAAVEREN B.V.																
Patents By Year of Grant:	67	10	9	7	0	1	0	0	0	0	0	0	0	0	0	94
Patents By Year of Application:	83	3	8	0	0	0	0	0	0	0	0	0	0	0	0	94
reaction of imprication.	0.5	J	J	J	J	J		J	J	J	J	•			J	7.
DEVOR NURSERIES, INC.																
Patents By Year of Grant:	77	7	5	3	0	0	0	0	0	0	0	0	0	0	0	92
Patents By Year of Application:	92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	92
reaction of imprication.			J	, , , , , , , , , , , , , , , , , , ,	<u> </u>	J	v	J	J	, , , , , , , , , , , , , , , , , , ,	J	•	•		J	72
PLANT 21 LLC																
Patents By Year of Grant:	0	0	0	0	0	0	5	19	18	6	12	10	5	2	15	92
Patents By Year of Application:	0	0	0	0	5	0	20	19	16	5	8	4	15	0	0	92
	_											-				
MIKKELSENS, INC.																
Patents By Year of Grant:	91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	91
Patents By Year of Application:	91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	91
			, , , , , , , , , , , , , , , , , , ,	,					,	,						
UNIVERSITY OF CALIFORNIA, THE REGENTS	OF															
Patents By Year of Grant:	36	4	0	2	3	5	7	2	4	7	3	2	7	4	3	89
Patents By Year of Application:	40	2	2	2	9	5	5	4	4	1	6	6	3	0	0	89
			_	_	-		-	-	-	_	-	-	-	-	-	

Organizational Patenting	ı			(Grante	ed: Jan 0	1, 1987	- Dec 31	, 2011)	R	anked Li	st of Or	ganizati	ons with	5 or 1	More Pat	ents
	Pre															
	1998	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	TOTAL
SPRING MEADOW NURSERY, INC.																
Patents By Year of Grant:	0	1	2	0	2	7	1	5	8	7	5	4	18	5	19	84
Patents By Year of Application:	2	1	2	5	2	3	3	11	8	5	1	19	12	10	0	84
DRISCOLL STRAWBERRY ASSOCIATES INC.																
Patents By Year of Grant:	10	3	1	6	1	5	6	15	4	2	3	7	6	8	6	83
Patents By Year of Application:	18	2	3	3	7	13	5	3	3	5	3	10	6	2	0	83
FIDES BEHEER B.V.																
Patents By Year of Grant:	76	3	0	2	0	0	0	0	0	0	0	0	0	0	0	81
Patents By Year of Application:	79	0	2	0	0	0	0	0	0	0	0	0	0	0	0	81
FLORIDA FOUNDATION SEED PRODUCERS, I	NC.															
Patents By Year of Grant:	10	1	0	0	1	6	3	12	0	3	1	2	9	24	5	77
Patents By Year of Application:	11	0	4	1	4	9	5	3	5	0	1	15	17	2	0	77
VAN ZANTEN PLANTS B.V.																
Patents By Year of Grant:	0	0	0	0	0	0	17	7	9	0	10	7	0	18	9	77
Patents By Year of Application:	0	0	0	2	0	15	12	5	8	4	8	11	6	6	0	77
KNUD JEPSEN A/S																
Patents By Year of Grant:	4	6	0	3	9	3	4	13	5	3	11	6	5	1	1	74
Patents By Year of Application:	10	3	4	0	8	4	14	9	6	8	4	2	2	0	0	74
FUTURE PLANTS LICENTIE B.V.																
Patents By Year of Grant:	0	0	0	0	0	0	2	7	1	4	30	11	4	4	9	72
Patents By Year of Application:	0	0	0	0	0	2	7	1	28	16	3	2	13	0	0	72
RIJNPLANT																
Patents By Year of Grant:	0	3	9	13	8	16	2	13	6	1	0	1	0	0	0	72
Patents By Year of Application:	6	17	9	3	14	2	9	10	1	1	0	0	0	0	0	72
DE RUITER'S NIEUWE ROZEN B.V.																
Patents By Year of Grant:	36	10	7	3	0	5	0	4	3	1	0	0	0	0	0	69
Patents By Year of Application:	53	3	0	5	1	1	5	1	0	0	0	0	0	0	0	69
Fides B.V.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	13	19	15	21	1	69
Patents By Year of Application:	0	0	0	0	0	0	0	0	5	19	8	16	20	1	0	69
DUMMEN JUNGPFLANZENKULTUREN																
Patents By Year of Grant:	25	0	6	17	1	18	0	0	0	0	0	0	0	0	0	67
Patents By Year of Application:	26	21	1	8	7	4	0	0	0	0	0	0	0	0	0	67

Organizational Patenting				(Grante	ed: Jan 0	1, 1987	- Dec 31	, 2011)	R	anked Li	st of Or	ganizati	ons with	5 or 1	More Pat	cents
	Pre															
	1998	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	TOTAL
MELRIDGE, INC.																
Patents By Year of Grant:	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65
Patents By Year of Application:	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65
NUFLORA INTERNATIONAL PTY. LTD.																
Patents By Year of Grant:	0	0	0	0	0	9	12	13	13	7	1	7	1	1	0	64
Patents By Year of Application:	0	0	0	0	10	15	3	23	4	7	1	1	0	0	0	64
CALIFORNIA FLORIDA PLANT COMPANY L.P.																
Patents By Year of Grant:	41	8	0	0	6	0	0	8	0	0	0	0	0	0	0	63
Patents By Year of Application:	49	6	0	0	0	8	0	0	0	0	0	0	0	0	0	63
PIETERS PLANT PRODUCTION, BVBA																
Patents By Year of Grant:	0	0	0	0	0	0	30	10	0	13	9	1	0	0	0	63
Patents By Year of Application:	0	0	0	0	21	16	3	0	15	8	0	0	0	0	0	63
DEKKER BREEDING, B.V.																
Patents By Year of Grant:	0	0	0	0	0	3	0	2	3	6	19	5	11	2	10	61
Patents By Year of Application:	0	0	0	3	0	0	2	9	13	6	5	12	1	10	0	61
RUTGERS UNIVERSITY																
Patents By Year of Grant:	26	0	0	3	0	0	0	2	1	3	6	9	2	4	3	59
Patents By Year of Application:	26	3	0	0	0	2	3	0	2	13	3	6	1	0	0	59
W. KORDES' SOHNE ROSENSCHULEN GMBH & C	CO KG															
Patents By Year of Grant:	0	0	0	0	0	0	2	6	4	8	6	10	4	14	5	59
Patents By Year of Application:	0	0	0	0	4	3	6	1	12	2	8	10	8	5	0	59
INNOVAPLANT GMBH & CO. KG													_			
Patents By Year of Grant:	0	2	1	1	3	1	13	0	1	4	16	5	5	5	1	58
Patents By Year of Application:	2	2	2	2	0	13	0	2	18	1	5	9	1	1	0	58
JACKSON & PERKINS CO.		_				_		_	_				_	_		
Patents By Year of Grant:	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58
Patents By Year of Application:	58	0	0	Ü	Ü	O	Ü	O	0	O	0	0	U	U	0	58
SUNTORY LTD.					_	_		_	-	_			_	_		
Patents By Year of Grant:	18	10	10	4	6	0	10	0	0	0	0	0	0	0	0	58
Patents By Year of Application:	38	4	8	0	6	2	0	0	0	0	0	0	0	0	0	58
ESMERALDA BREEDING B.V.																
Patents By Year of Grant:	0	0	0	0	0	0	0	13	6	5	6	12	5	7	3	57
Patents By Year of Application:	0	0	0	0	0	0	9	15	1	8	15	2	5	2	0	57

Organizational Patenting				(Grante	ed: Jan 0	1, 1987	- Dec 31	, 2011)	R	anked Li	st of Or	ganizati	ons with	5 or	More Pat	ents	-
	Pre																
	1998	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	TOTAL	
TWYFORD INTERNATIONAL, INC.																	
Patents By Year of Grant:	27	2	1	0	0	8	6	5	2	1	3	0	0	0	0	55	
Patents By Year of Application:	30	0	0	2	6	8	2	4	3	0	0	0	0	0	0	55	
GEORGE J. BALL, INC.	54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54	
Patents By Year of Grant: Patents By Year of Application:	54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54	
Pacents by fear of Application:	34	U	U	U	U	U	U	U	U	U	U	U	U	U	U	34	
BAILEY NURSERIES, INC.																	
Patents By Year of Grant:	4	1	1	0	2	2	2	4	9	13	3	4	5	1	1	52	
Patents By Year of Application:	5	1	2	2	2	3	3	19	1	4	4	4	1	1	0	52	
HINES NURSERIES INC.	_				•	_	•				_		•				
Patents By Year of Grant:	5 5	0	0 10	0 9	9 1	5 12	8 2	10 9	6 4	4	5 0	0	0	0	0	52 52	
Patents By Year of Application:	5	U	10	9	1	12	2	9	4	U	U	U	U	U	U	52	
WITTEMAN + CO.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	7	5	10	13	12	5	0	0	52	
Patents By Year of Application:	0	0	0	0	0	3	4	7	13	9	13	3	0	0	0	52	
BURCHELL NURSERY, INC.																	
Patents By Year of Grant:	1	1	1	0	2	10	12	9	4	6	2	0	0	1	2	51	
Patents By Year of Application:	3	0	7	3	5	10	11	6	3	0	0	0	3	0	0	51	
BALL PANAM PLANT COMPANY																	
Patents By Year of Grant:	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	
Patents By Year of Application:	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	
UNIVERSITY OF GEORGIA RESEARCH FOUND	ATION, IN	c.															
Patents By Year of Grant:	2	0	0	2	0	3	0	1	2	8	8	7	3	6	7	49	
Patents By Year of Application:	3	1	0	3	0	2	3	1	12	7	5	3	3	6	0	49	
FIDES GOLDSTOCK BREEDING B.V.																	
Patents By Year of Grant:	0	0	0	0	4	13	2	9	9	11	0	0	0	0	0	48	
Patents By Year of Application:	0	0	0	8	8	3	7	22	0	0	0	0	0	0	0	48	
racenes by rear or approachem.	•	· ·	·	•		J	•		· ·	Ū	v	· ·	Ū	Ū	·	10	
Goldsmith Seeds Europe B.V.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	11	13	5	18	0	47	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	13	13	16	5	0	0	47	
JOSEF & HEINRICH WESTHOFF GARTENBAU-		LTUREN															
Patents By Year of Grant:	0	0	0	3	1	7	5	16	13	2	0	0	0	0	0	47	
Patents By Year of Application:	0	3	2	2	4	7	5	24	0	0	0	0	0	0	0	47	

	Organizational Patenting				(Grante	d: Jan 0	1, 1987	- Dec 31	, 2011)	R	Ranked Li	st of Or	ganizati	ons with	5 or	More Pat	ents	-
		Pre																
		1998	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	TOTAL	
PLAN	T DEVELOPMENT SERVICES INC.																	
P	atents By Year of Grant:	0	0	1	4	12	3	6	4	3	4	3	2	2	0	1	45	
P	atents By Year of Application:	1	6	6	5	3	4	5	7	3	4	0	0	1	0	0	45	
BONZ	A BOTANICALS PTY., LTD.																	
P	atents By Year of Grant:	0	0	0	0	0	0	0	0	1	6	1	18	1	8	9	44	
P	atents By Year of Application:	0	0	0	0	0	0	1	6	1	12	7	0	12	5	0	44	
	A NIGRA HOLDING B.V.																	
	atents By Year of Grant:	36	0	1	4	0	0	0	2	0	0	0	0	0	0	0	43	
P	atents By Year of Application:	36	5	0	0	0	2	0	0	0	0	0	0	0	0	0	43	
	T SCIENCES, INC.																	
	atents By Year of Grant:	14	1	2	0	0	0	2	7	0 2	1 2	1	2 7	9	2	1	42	
P	atents By Year of Application:	16	1	0	1	0	2	6	0	2	2	2	7	3	0	0	42	
	Les NYDS																	
	ty BVBA	0	•	•	•	•	0	•	0	0	0	•	•	1.0	7	22	41	
	atents By Year of Grant:	0	0	0	0	0	0	0	0 0	0	0	0 4	2 8	10 29	0	0	41 41	
P	atents By Year of Application:	U	U	U	U	U	U	U	U	U	U	4	•	29	U	U	41	
TTCA	UL PLANTS, LLC																	
	atents By Year of Grant:	0	0	0	0	0	1	0	0	0	5	6	6	6	10	6	40	
	atents By Year of Application:	0	0	0	0	0	1	0	3	8	7	0	10	8	3	0	40	
	acenes by rear or apprication.	•					_	· ·	,	J	,		10		,	, ,	10	
KIEF	T SEED HOLLAND																	
P	atents By Year of Grant:	0	0	0	0	0	24	12	4	0	0	0	0	0	0	0	40	
	atents By Year of Application:	0	0	0	0	24	14	2	0	0	0	0	0	0	0	0	40	
LABO	RATOIRE DE PHYSIOLOGIE VEGETALE D	E LA LOND	Œ															
P	atents By Year of Grant:	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	
P	atents By Year of Application:	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	
S.A.	R.L. AGRO SELECTION FRUITS																	
P	atents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	9	8	4	18	0	39	
P	atents By Year of Application:	0	0	0	0	0	0	0	0	9	7	7	0	16	0	0	39	
VERW	ER DAHLIAS BV																	
	atents By Year of Grant:	0	0	0	0	0	0	2	3	1	11	1	18	1	1	0	38	
P	atents By Year of Application:	0	0	0	0	0	2	4	0	12	9	9	1	1	0	0	38	
	OVIA NURSERY CO.																	
	atents By Year of Grant:	16	2	3	3	3	1	4	3	0	0	0	0	0	0	2	37	
P	atents By Year of Application:	22	4	1	1	2	3	1	1	0	0	0	0	1	1	0	37	

Property	Organizational Patenting				(Grante	ed: Jan 0	1, 1987	- Dec 31	, 2011)	R	Ranked Li	st of Or	ganizati	ons with	5 or 1	More Pat	tents
Marie 1998 1998 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 TOTAL																	
Fraence By Year of Grant: 28 0 0 7 0 1 0 0 0 0 0 0 0 0 0 0 0 0 36 Patents By Year of Application: 28 5 3 0 0 7 0 1 0 0 0 0 0 0 0 0 0 0 0 0 36 FUTURE PLANTS V.O.F. Patents By Year of Application: 0 3 11 9 2 8 2 0 0 0 0 0 0 0 0 0 35 FUTURE PLANTS V.O.F. Patents By Year of Grant: 0 0 0 0 3 10 11 9 2 8 0 0 0 0 0 0 0 0 0 0 0 35 CORN. MAK R.V. Patents By Year of Application: 15 0 4 2 4 0 1 1 0 0 3 1 0 0 3 4 34 Fatents By Year of Application: 15 0 4 2 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Pre															
## Patents By Year of Organic: 28		1998	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	TOTAL
## Patents By Year of Organic: 28																	
Patents By Year Of Expelication: 28 5 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 36 FUTURE PLANTS V.O.P. Patents By Year Of Creant: 0 0 0 3 11 9 2 8 2 0 0 0 0 0 0 0 0 0 35 Patents By Year Of Creant: 0 0 3 11 9 2 8 2 0 0 0 0 0 0 0 0 0 35 CORN. NAX B.V. Patents By Year Of Grant: 9 2 4 0 1 1 1 0 3 1 1 2 4 0 34 Patents By Year Of Grant: 15 0 4 2 0 1 0 1 3 0 1 1 2 4 0 34 BECONIA SMEMBERS ASSOC. B.V. Patents By Year Of Grant: 0 7 3 0 0 0 0 1 1 3 0 1 1 2 4 0 34 BRIGHT SPREAMEN SPREA	KLEMM & SOHN																
FUTURE FLANTS V.O.F. Patents By Year of Grant: 0 0 0 3 11 9 2 8 2 0 0 0 0 0 0 0 0 0 0 35 Patents By Year of Application: 0 3 11 9 2 8 2 0 0 0 0 0 0 0 0 0 0 35 CORN. BAX B.V. Patents By Year of Application: 15 0 4 2 0 1 1 0 1 3 0 3 1 0 3 4 34 Patents By Year of Grant: 9 2 4 0 2 2 4 0 1 1 0 3 1 0 3 1 0 3 4 34 Patents By Year of Application: 15 0 4 2 0 1 1 0 1 3 0 1 1 2 4 0 34 BENORITA BREEDERS ASSOC. B.V. Patents By Year of Application: 0 0 7 3 0 0 0 0 1 1 3 3 2 4 1 1 6 1 3 3 12 COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH Patents By Year of Application: 1 0 0 1 0 1 1 1 6 4 2 4 2 0 1 1 0 0 32 COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH Patents By Year of Application: 1 2 1 8 8 6 4 2 0 0 0 0 0 0 0 32 COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH Patents By Year of Grant: 0 0 1 0 1 1 1 6 4 2 4 2 0 0 1 0 0 32 COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH Patents By Year of Application: 1 2 1 8 8 6 4 2 0 0 0 0 0 0 0 0 32 COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH Patents By Year of Grant: 0 0 1 0 1 1 1 6 4 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Patents By Year of Grant:	28	0	0	7	0	1	0	0	0	0	0	0	0	0	0	36
Patente By Year of Grant: 0 0 0 3 11 9 2 8 2 0 0 0 0 0 0 0 0 0 0 35 CCRN. BAY BY. Patente By Year of Application: 0 3 11 9 2 8 2 0 0 0 0 0 0 0 0 0 0 35 CCRN. BAY BY. Patente By Year of Grant: 9 2 4 0 2 2 4 0 1 1 0 3 1 1 2 3 4 0 34 Patente By Year of Application: 15 0 4 2 2 0 1 0 1 3 0 1 1 2 2 4 0 34 BECONIA REMEDERS ASSOC. B.V. Patente By Year of Grant: 0 7 3 0 0 0 0 1 1 3 0 1 1 2 4 1 3 0 32 COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH Patente By Year of Application: 1 0 0 0 0 0 1 1 1 3 6 1 2 4 1 6 1 3 32 COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH Patente By Year of Application: 1 2 1 8 8 6 4 2 0 0 0 0 0 0 0 32 COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH Patente By Year of Application: 1 2 1 8 8 6 4 2 0 0 0 0 0 0 0 0 0 32 CONTRIBUTION OF GRANT: 0 0 0 1 1 0 1 11 6 4 2 0 0 0 0 0 0 0 0 32 CONTRIBUTION OF GRANT: 0 0 0 0 0 0 1 2 2 0 0 0 0 0 0 0 0 0 0 0	Patents By Year of Application:	28	5	3	0	0	0	0	0	0	0	0	0	0	0	0	36
Patente By Year of Grant: 0 0 0 3 11 9 2 8 2 0 0 0 0 0 0 0 0 0 0 35 CCRN. BAY BY. Patente By Year of Application: 0 3 11 9 2 8 2 0 0 0 0 0 0 0 0 0 0 35 CCRN. BAY BY. Patente By Year of Grant: 9 2 4 0 2 2 4 0 1 1 0 3 1 1 2 3 4 0 34 Patente By Year of Application: 15 0 4 2 2 0 1 0 1 3 0 1 1 2 2 4 0 34 BECONIA REMEDERS ASSOC. B.V. Patente By Year of Grant: 0 7 3 0 0 0 0 1 1 3 0 1 1 2 4 1 3 0 32 COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH Patente By Year of Application: 1 0 0 0 0 0 1 1 1 3 6 1 2 4 1 6 1 3 32 COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH Patente By Year of Application: 1 2 1 8 8 6 4 2 0 0 0 0 0 0 0 32 COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH Patente By Year of Application: 1 2 1 8 8 6 4 2 0 0 0 0 0 0 0 0 0 32 CONTRIBUTION OF GRANT: 0 0 0 1 1 0 1 11 6 4 2 0 0 0 0 0 0 0 0 32 CONTRIBUTION OF GRANT: 0 0 0 0 0 0 1 2 2 0 0 0 0 0 0 0 0 0 0 0																	
Patents By Year of Application: 0	FUTURE PLANTS V.O.F.																
CORN. BAK B.V. Patents By Year of Grant: 9 2 4 4 0 2 4 0 1 1 1 0 3 1 1 0 3 4 34 BECONTA REMEDERS ASSOC. R.V. Patents By Year of Grant: 0 7 3 0 0 0 1 1 1 3 0 1 1 2 4 0 34 BECONTA REMEDERS ASSOC. R.V. Patents By Year of Grant: 0 7 3 0 0 0 0 1 1 1 3 2 4 1 6 1 3 3 32 Patents By Year of Grant: 10 0 0 0 0 1 1 1 3 6 1 2 4 1 6 1 3 3 32 COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH Patents By Year of Grant: 0 0 1 0 1 1 1 6 4 2 2 4 2 0 1 1 0 0 32 Watents By Year of Grant: 0 0 0 1 1 0 1 1 1 6 4 2 0 0 0 0 0 0 32 GARTENBAY UND SPEZIALKULTUREN WESTHOFF GRR Patents By Year of Grant: 0 0 0 0 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Patents By Year of Grant:	0	0	0	3	10	11	9	2	0	0	0	0	0	0	0	35
CORN. BAK B.V. Patents By Year of Grant: 9 2 4 4 0 2 4 0 1 1 1 0 3 1 1 0 3 4 34 Patents By Year of Application: 15 0 4 2 0 0 1 0 1 3 0 1 1 2 4 0 34 BECONTA REMEDERS ASSOC. B.V. Patents By Year of Grant: 0 7 3 0 0 0 0 1 1 3 3 2 4 1 6 1 3 3 32 COUNCIL OF SCHEMIT AND INDUSTRIAL RESEARCH Patents By Year of Grant: 0 0 1 1 0 1 1 3 6 1 2 4 1 1 6 1 3 3 2 COUNCIL OF SCHEMIT AND INDUSTRIAL RESEARCH Patents By Year of Grant: 0 0 1 1 0 1 1 6 4 2 0 0 0 0 0 0 32 Patents By Year of Application: 1 2 1 8 8 6 4 2 0 0 0 0 0 0 0 0 0 32 Patents By Year of Application: 0 0 0 1 1 0 1 1 6 4 2 0 0 0 0 0 0 0 32 CARTENDAL UND SPEZIALAULTUREN MESTHOFF GBR Patents By Year of Grant: 0 0 0 0 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Patents By Year of Application:	0	3	11	9	2	8	2	0	0	0	0	0	0	0	0	35
Patents By Year of Grant: 9 2 4 0 2 4 0 1 1 1 0 3 1 0 3 1 0 3 4 34 Patents By Year of Application: 15 0 4 2 0 1 0 1 3 0 1 1 2 4 0 34 BESONIA SEKEDERS ASSOC. B.V. Patents By Year of Grant: 0 7 3 0 0 0 0 1 1 3 3 6 1 2 4 1 6 1 3 3 32 COUNCIL OF SCIENTIFIC AND LINUSTRIAL RESEARCH Patents By Year of Grant: 0 0 1 0 1 1 1 6 4 2 2 4 2 0 1 0 0 0 32 COANTEND BY YEAR OF GRANT: 0 0 0 1 1 0 1 1 1 6 4 2 0 0 0 0 0 0 0 32 CARTENBAU UND SPEZIAKULIVEN WESTROFF GBR Patents By Year of Application: 0 0 0 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																	
### Patents By Year of Application: 15 0 4 2 0 1 0 1 3 0 1 1 2 4 0 34 ### BRECORNA MEREDERS ASSOC. B.V. Patents By Year of Grant: 0 7 3 0 0 0 1 1 1 3 3 2 4 1 6 1 3 3 32 ### Patents By Year of Application: 10 0 0 0 0 1 1 1 3 3 2 4 1 1 6 1 3 3 32 ### COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH Patents By Year of Grant: 0 0 1 1 0 1 11 6 4 2 0 0 0 0 0 0 0 32 ### Patents By Year of Application: 1 2 1 8 8 6 6 4 2 0 0 0 0 0 0 0 0 0 32 ### COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH Patents By Year of Application: 1 2 1 8 8 6 6 4 2 0 0 0 0 0 0 0 0 0 32 ### COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH Patents By Year of Application: 1 2 1 8 8 6 6 4 2 0 0 0 0 0 0 0 0 32 ### COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH Patents By Year of Grant: 0 0 0 1 0 1 1 2 0 0 0 0 0 0 0 0 0 0 0 0	CORN. BAK B.V.																
### Patents By Year of Application: 15 0 4 2 0 1 0 1 3 0 1 1 2 4 0 34 ### BRECORNA MEREDERS ASSOC. B.V. Patents By Year of Grant: 0 7 3 0 0 0 1 1 1 3 3 2 4 1 6 1 3 3 32 ### Patents By Year of Application: 10 0 0 0 0 1 1 1 3 3 2 4 1 1 6 1 3 3 32 ### COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH Patents By Year of Grant: 0 0 1 1 0 1 11 6 4 2 0 0 0 0 0 0 0 32 ### Patents By Year of Application: 1 2 1 8 8 6 6 4 2 0 0 0 0 0 0 0 0 0 32 ### COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH Patents By Year of Application: 1 2 1 8 8 6 6 4 2 0 0 0 0 0 0 0 0 0 32 ### COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH Patents By Year of Application: 1 2 1 8 8 6 6 4 2 0 0 0 0 0 0 0 0 32 ### COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH Patents By Year of Grant: 0 0 0 1 0 1 1 2 0 0 0 0 0 0 0 0 0 0 0 0	Patents By Year of Grant:	9	2	4	0	2	4	0	1	1	0	3	1	0	3	4	34
BEDONIA BRENDERS ASSOC. B.V.		15		4	2			0			0			2	4		34
Patents By Year of Grant: 0 7 3 0 0 0 0 1 1 3 3 2 4 1 6 1 3 3 32 Patents By Year of Application: 10 0 0 0 0 1 1 1 3 3 6 1 2 4 1 3 0 32 COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH Patents By Year of Grant: 0 0 1 0 1 0 1 11 6 4 2 0 0 0 0 0 0 0 0 0 32 Patents By Year of Application: 1 2 1 8 8 6 6 4 2 0 0 0 0 0 0 0 0 0 0 32 GARTHRAU UND SPEZIALKULTUREN WESTHOFF GBR Patents By Year of Grant: 0 0 0 0 1 2 0 0 0 0 0 1 9 3 7 32 Patents By Year of Application: 0 0 0 0 1 2 0 0 0 0 0 16 4 7 2 0 32 SELECTION NEW PLANT SARL Patents By Year of Grant: 17 2 0 2 0 2 0 2 0 4 0 2 0 1 1 0 0 32 Patents By Year of Application: 19 2 1 1 0 0 4 2 0 1 1 1 0 0 32 BALL SEED CO., A DIVISION OF GEO. J. BALL, INC. Patents By Year of Grant: 31 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																	
Patents By Year of Grant: 0 7 3 0 0 0 0 1 1 3 3 2 4 1 6 1 3 3 32 Patents By Year of Application: 10 0 0 0 0 1 1 1 3 3 6 1 2 4 1 3 0 32 COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH Patents By Year of Grant: 0 0 1 0 1 0 1 11 6 4 2 0 0 0 0 0 0 0 0 0 32 Patents By Year of Application: 1 2 1 8 8 6 6 4 2 0 0 0 0 0 0 0 0 0 0 32 GARTHRAU UND SPEZIALKULTUREN WESTHOFF GBR Patents By Year of Grant: 0 0 0 0 1 2 0 0 0 0 0 1 9 3 7 32 Patents By Year of Application: 0 0 0 0 1 2 0 0 0 0 0 16 4 7 2 0 32 SELECTION NEW PLANT SARL Patents By Year of Grant: 17 2 0 2 0 2 0 2 0 4 0 2 0 1 1 0 0 32 Patents By Year of Application: 19 2 1 1 0 0 4 2 0 1 1 1 0 0 32 BALL SEED CO., A DIVISION OF GEO. J. BALL, INC. Patents By Year of Grant: 31 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BEGONIA BREEDERS ASSOC. B.V.																
COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH Patents By Year of Grant: 0 0 1 1 0 1 11 6 4 2 4 2 0 1 0 1 0 0 32 Patents By Year of Application: 1 2 1 8 8 8 6 4 2 0 0 0 0 0 0 0 0 0 32 GARTENBAU UND SPEZIALKULTUREN WESTHOFF GBR Patents By Year of Grant: 0 0 0 0 1 2 0 0 0 0 0 0 16 4 7 2 0 32 SELECTION NEW PLANT SARL Patents By Year of Application: 17 2 0 2 0 2 0 4 0 2 0 1 1 1 1 0 32 Patents By Year of Application: 19 2 1 1 0 0 4 2 0 1 1 1 1 0 0 32 BALL SEED CO., A DIVISION OF GEO. J. BALL, INC. Patents By Year of Application: 31 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Patents By Year of Grant:	0	7	3	0	0	0	1	1	3	2	4	1	6	1	3	32
COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH Patents By Year of Grant: 0 0 1 1 0 1 11 6 4 2 4 2 0 0 1 0 0 32 Patents By Year of Application: 1 2 1 8 8 8 6 4 2 0 0 0 0 0 0 0 0 0 32 GARTINBAU UND SPEZIALKULTUREN WESTHOFF GBR Patents By Year of Grant: 0 0 0 0 1 2 0 0 0 0 0 0 0 16 4 7 2 0 32 SELECTION NEW PLANT SARL Patents By Year of Application: 17 2 0 2 0 2 0 2 0 4 0 2 0 1 1 1 1 0 0 32 Patents By Year of Application: 19 2 1 1 0 0 0 4 2 0 1 1 1 1 0 0 32 BALL SEED CO., A DIVISION OF GEO. J. BALL, INC. Patents By Year of Grant: 31 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-	10	0	0	0	0	1	1	3	6	1	2	4	1	3	0	32
Fatents By Year of Grant: 0 0 1 0 1 0 1 11 6 4 2 4 2 0 0 1 0 0 32 Fatents By Year of Application: 1 2 1 8 8 6 4 2 0 0 0 0 0 0 0 0 0 32 GARTENBAU UND SPEZIALKULTUREN WESTHOFF GBR Fatents By Year of Grant: 0 0 0 0 1 2 0 0 0 0 0 0 16 4 7 2 0 32 Fatents By Year of Application: 0 0 0 0 1 2 0 0 0 0 0 0 16 4 7 2 0 32 SELECTION NEW PLANT SARL Patents By Year of Grant: 17 2 0 2 0 2 0 2 0 4 0 2 0 1 1 1 0 0 32 Fatents By Year of Application: 19 2 1 1 0 0 0 4 2 0 1 1 1 0 0 0 32 BALL SEED CO., A DIVISION OF GEO. J. BALL, INC. Fatents By Year of Grant: 31 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																	
Patents By Year of Application: 1 2 1 8 8 8 6 4 2 0 0 0 0 0 0 0 0 0 0 32 GARTENBAU UND SPEZIALKULTUREN WESTHOFF GER Patents By Year of Grant: 0 0 0 0 1 1 2 0 0 0 0 16 4 7 2 0 32 Patents By Year of Application: 0 0 0 0 1 1 2 0 0 0 0 16 4 7 2 0 32 SELECTION NEW PLANT SARL Patents By Year of Grant: 17 2 0 2 0 2 0 4 0 2 0 1 1 1 1 0 0 32 Patents By Year of Application: 19 2 1 1 1 0 0 4 2 0 1 1 1 1 0 0 32 BALL SEED CO., A DIVISION OF GEO. J. BALL, INC. Patents By Year of Grant: 31 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	COUNCIL OF SCIENTIFIC AND INDUSTRIAL	RESEARCH															
Patents By Year of Application: 1 2 1 8 8 8 6 4 2 0 0 0 0 0 0 0 0 0 0 32 GARTENBAU UND SPEZIALKULTUREN WESTHOFF GER Patents By Year of Grant: 0 0 0 0 1 1 2 0 0 0 0 16 4 7 2 0 32 Patents By Year of Application: 0 0 0 0 1 1 2 0 0 0 0 16 4 7 2 0 32 SELECTION NEW PLANT SARL Patents By Year of Grant: 17 2 0 2 0 2 0 4 0 2 0 1 1 1 1 0 0 32 Patents By Year of Application: 19 2 1 1 1 0 0 4 2 0 1 1 1 1 0 0 32 BALL SEED CO., A DIVISION OF GEO. J. BALL, INC. Patents By Year of Grant: 31 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Patents By Year of Grant:	0	0	1	0	1	11	6	4	2	4	2	0	1	0	0	32
GARTENBAU UND SPEZIALKULTUREN WESTHOFF GER Patents By Year of Grant: 0 0 0 0 1 2 0 0 0 0 0 16 4 7 2 0 32 Patents By Year of Application: 0 0 0 0 3 0 0 0 0 0 0 0 16 4 7 2 0 32 SELECTION NEW PLANT SARL Patents By Year of Application: 17 2 0 2 0 2 0 4 0 2 0 1 1 1 1 0 32 Patents By Year of Application: 19 2 1 1 0 0 4 2 0 1 1 1 1 0 0 32 BALL SEED CO., A DIVISION OF GEO. J. BALL, INC. Patents By Year of Grant: 31 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 31 Patents By Year of Application: 31 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																	
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Patents By Year of Application: 0 0 0 0 3 0 0 0 0 0 0 0 0 16 4 7 2 0 32 SELECTION NEW PLANT SARL Patents By Year of Grant: 17 2 0 2 0 2 0 4 0 2 0 1 1 1 0 0 32 Patents By Year of Application: 19 2 1 1 0 0 0 4 2 0 1 1 1 0 0 0 32 BALL SEED CO., A DIVISION OF GEO. J. BALL, INC. Patents By Year of Grant: 31 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0	0	0	1	2	0	0	0	0	0	0	19	3	7	32
SELECTION NEW PLANT SARL Patents By Year of Grant: 17 2 0 2 0 2 0 4 0 2 0 1 1 1 0 0 32 Patents By Year of Application: 19 2 1 1 0 0 0 4 2 0 1 1 1 0 0 0 32 BALL SEED CO., A DIVISION OF GEO. J. BALL, INC. Patents By Year of Grant: 31 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 31 Patents By Year of Application: 31 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	_	0								0							
Patents By Year of Grant: 17 2 0 2 0 2 0 4 0 2 0 1 1 1 0 32 Patents By Year of Application: 19 2 1 1 0 0 0 4 2 0 1 1 1 1 0 0 32 BALL SEED CO., A DIVISION OF GEO. J. BALL, INC. Patents By Year of Grant: 31 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1400.000 57 1041 01 1155110401011	·	•	•		•		·	·	•			-	•	_		
Patents By Year of Grant: 17 2 0 2 0 2 0 4 0 2 0 1 1 1 0 32 Patents By Year of Application: 19 2 1 1 0 0 0 4 2 0 1 1 1 1 0 0 32 BALL SEED CO., A DIVISION OF GEO. J. BALL, INC. Patents By Year of Grant: 31 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	SELECTION NEW PLANT SARL																
Patents By Year of Application: 19 2 1 1 0 0 4 2 0 1 1 1 1 0 0 0 32 BALL SEED CO., A DIVISION OF GEO. J. BALL, INC. Patents By Year of Grant: 31 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 31 Patents By Year of Application: 31 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		17	2	0	2	0	2	0	4	0	2	0	1	1	1	0	32
BALL SEED CO., A DIVISION OF GEO. J. BALL, INC. Patents By Year of Grant: 31 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																	
Patents By Year of Grant: 31 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			_	_	_	-	-	_	_	-	_	_	_	-	-	-	
Patents By Year of Grant: 31 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BALL SEED CO., A DIVISION OF GEO. J.	BALL, INC	C.														
Patents By Year of Application: 31 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				0	0	0	0	0	0	0	0	0	0	0	0	0	31
BAY CITY FLOWER COMPANY, INC. Patents By Year of Grant: 11 2 1 0 1 0 1 1 1 1 0 0 3 2 3 5 31 Patents By Year of Application: 14 1 0 0 1 2 0 0 0 4 1 4 4 0 0 31 SUN WORLD INTERNATIONAL, INC. Patents By Year of Grant: 0 0 0 5 2 8 2 6 6 2 0 0 0 0 31 Patents By Year of Application: 1 6 0 0 10 0 8 6 0 0 0 0 0 0 0 31 AmerInova Properties, LLC Patents By Year of Grant: 0 0 0 0 0 0 0 0 0 0 0 0 0 3 16 7 3 1 30	_									-				-	-		
Patents By Year of Grant: 11 2 1 0 1 0 1 1 1 1 0 0 3 2 3 5 31 Patents By Year of Application: 14 1 0 0 0 1 2 0 0 0 4 1 4 4 0 0 31 SUN WORLD INTERNATIONAL, INC. Patents By Year of Grant: 0 0 0 5 2 8 2 6 6 2 0 0 0 0 31 Patents By Year of Application: 1 6 0 0 10 0 8 6 0 0 0 0 0 0 0 0 0 31 AmerInova Properties, LLC Patents By Year of Grant: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 16 7 3 1 30			_	-	-	-	-	-	-	-	-	_	-	-	-	-	
Patents By Year of Grant: 11 2 1 0 1 0 1 1 1 1 0 0 3 2 3 5 31 Patents By Year of Application: 14 1 0 0 0 1 2 0 0 0 4 1 4 4 0 0 31 SUN WORLD INTERNATIONAL, INC. Patents By Year of Grant: 0 0 0 5 2 8 2 6 6 2 0 0 0 0 31 Patents By Year of Application: 1 6 0 0 10 0 8 6 0 0 0 0 0 0 0 0 0 31 AmerInova Properties, LLC Patents By Year of Grant: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 16 7 3 1 30	BAY CITY FLOWER COMPANY, INC.																
Patents By Year of Application: 14 1 0 0 1 1 2 0 0 0 4 1 4 4 0 0 31 SUN WORLD INTERNATIONAL, INC. Patents By Year of Grant: 0 0 0 5 2 8 2 6 6 2 0 0 0 0 0 31 Patents By Year of Application: 1 6 0 0 10 0 8 6 0 0 0 0 0 0 0 0 31 AmerInova Properties, LLC Patents By Year of Grant: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 16 7 3 1 30		11	2	1	0	1	0	1	1	1	0	0	3	2	3	5	31
SUN WORLD INTERNATIONAL, INC. Patents By Year of Grant: 0 0 0 5 2 8 2 6 6 2 0 0 0 0 31 Patents By Year of Application: 1 6 0 0 10 0 8 6 0 0 0 0 0 0 0 0 31 AmerInova Properties, LLC Patents By Year of Grant: 0 0 0 0 0 0 0 0 0 0 0 0 3 16 7 3 1 30	-										-						
Patents By Year of Grant: 0 0 0 5 2 8 2 6 6 2 0 0 0 0 0 31 Patents By Year of Application: 1 6 0 0 10 0 8 6 0 0 0 0 0 0 0 0 31 AmerInova Properties, LLC Patents By Year of Grant: 0 0 0 0 0 0 0 0 0 0 0 3 16 7 3 1 30	rational of imprince to in the state of the		-	v	v	-	-	·	Ū	v	•	-	•	-	v	ŭ	-
Patents By Year of Grant: 0 0 0 5 2 8 2 6 6 2 0 0 0 0 0 31 Patents By Year of Application: 1 6 0 0 10 0 8 6 0 0 0 0 0 0 0 0 31 AmerInova Properties, LLC Patents By Year of Grant: 0 0 0 0 0 0 0 0 0 0 0 3 16 7 3 1 30	SUN WORLD INTERNATIONAL, INC.																
Patents By Year of Application: 1 6 0 0 10 0 8 6 0 0 0 0 0 0 0 31 AmerInova Properties, LLC Patents By Year of Grant: 0 0 0 0 0 0 0 0 0 0 3 16 7 3 1 30		0	0	0	5	2	8	2	6	6	2	0	0	0	0	0	31
AmerInova Properties, LLC Patents By Year of Grant: 0 0 0 0 0 0 0 0 0 3 16 7 3 1 30	_			-										-			
Patents By Year of Grant: 0 0 0 0 0 0 0 0 0 3 16 7 3 1 30	racence by rear or appricacion:	_	U	U	U	10	U	0	U	U	U	U	U	U	U	U	J±
Patents By Year of Grant: 0 0 0 0 0 0 0 0 0 3 16 7 3 1 30	AmerInova Properties LLC																
	- · · · · · · · · · · · · · · · · · · ·	0	0	0	0	0	0	0	0	0	0	2	16	7	2	1	30
racence by rear or apprication.	-			•			-							-			
	racence by rear or appricacion:	U	U	U	U	U	U	U	U	_	,	11	,	_	_	U	50

Organizational Patenting				(Grante	ed: Jan 0	1, 1987	- Dec 31	, 2011)	R	anked Li	st of Or	ganizati	ons with	5 or	More Pat	ents
	Pre															
	1998	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	TOTAL
CORNELL RESEARCH FOUNDATION INC.																
Patents By Year of Grant:	10	0	7	0	2	1	2	0	0	5	1	1	0	0	0	29
Patents By Year of Application:	17	2	1	0	4	0	0	2	2	1	0	0	0	0	0	29
FA. GEBR. VERWER																
Patents By Year of Grant:	0	10	0	9	2	7	1	0	0	0	0	0	0	0	0	29
Patents By Year of Application:	10	9	2	3	4	1	0	0	0	0	0	0	0	0	0	29
GEBR. KOLSTER B.V.																
Patents By Year of Grant:	0	0	0	0	0	5	18	4	1	1	0	0	0	0	0	29
Patents By Year of Application:	0	0	0	0	17	6	4	2	0	0	0	0	0	0	0	29
SUNSHINE FOLIAGE WORLD																
Patents By Year of Grant:	10	7	6	2	1	0	1	0	0	0	2	0	0	0	0	29
Patents By Year of Application:	19	6	1	0	0	1	0	0	2	0	0	0	0	0	0	29
BLOOMS OF BRESSINGHAM LTD.																
Patents By Year of Grant:	9	3	2	4	2	4	1	3	0	0	0	0	0	0	0	28
Patents By Year of Application:	16	3	2	1	2	1	3	0	0	0	0	0	0	0	0	28
GOLDSMITH PLANTS, INC.																
Patents By Year of Grant:	0	0	0	10	5	13	0	0	0	0	0	0	0	0	0	28
Patents By Year of Application:	0	12	5	2	9	0	0	0	0	0	0	0	0	0	0	28
Kerry's Bromeliad Nursery, Inc.			_	_		_		_	_	_				_		
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0 28	10 0	18	0	0	28 28
Patents By Year of Application:	0	U	U	U	U	U	U	U	U	U	26	U	U	U	U	26
UNIVERSITY OF MINNESOTA, THE REGENTS O			-		•		•	-	•	•	•		2	•	•	00
Patents By Year of Grant: Patents By Year of Application:	6 9	1	1	1	0 5	1	2	5 1	0	2	2	4 1	3	0	0	28 28
-	9	U	U	4	5	U	U	1	2	3	3	_	U	U	U	20
WALTERS GARDENS INC.	•	0	0	•	•	0	0	•	2	-	2	,	2		10	20
Patents By Year of Grant: Patents By Year of Application:	0	0	0	0	0	0	0	0	2	5 2	2	3 4	3 7	4	12 0	28 28
-	O	U	U	U	U	U	2	*	2	2	3	*	,	*	U	20
KIEFT BLOEM ZADEN, B.V.	•	0	•	•	•	0	0	9	11	,	4	0	0	0	0	27
Patents By Year of Grant: Patents By Year of Application:	0	0	0	0	0	0	0	9 17	11 2	3	4	0	0	0	0	27 27
	U	U	U	U	U	U	4	1/	2	4	U	U	U	U	U	21
TWYFORD PLANT LABORATORIES, INC.				•			•	•	•	•						0.17
Patents By Year of Application	9	0	0	0 17	0	14	0	0	0	0	0	0	0	0	0	27 27
Patents By Year of Application:	9	U	1	17	U	U	U	U	U	U	U	U	U	U	U	21

Organizational Patenting				(Grante	ed: Jan 0	1, 1987	- Dec 31	, 2011)	R	anked Li	st of Or	ganizati	ons with	5 or	More Pat	ents	•
	Pre																
	1998	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	TOTAL	
KIRIN BREWERY CO., LTD.																	
Patents By Year of Grant:	0	0	0	0	0	2	12	0	1	1	8	1	0	0	0	25	
Patents By Year of Application:	0	0	0	0	0	14	0	2	1	8	0	0	0	0	0	25	
UNITED STATES OF AMERICA, DEPARTMENT Patents By Year of Grant:	OF AGRIC	ULTURE 0	1	0	0	8	0	3	1	2	0	0	3	2	2	25	
Patents By Year of Application:	4	0	1	2	8	0	1	2	0	0	0	5	1	1	0	25	
ratemes by rear or Application:	4	U	1	2	0	U		2	U	U	U	5	Τ.	1	U	25	
CEBECO LILIES, INC.																	
Patents By Year of Grant:	10	9	5	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	
NORTH CAROLINA STATE UNIVERSITY																	
Patents By Year of Grant:	0	0	0	0	0	0	0	4	2	0	2	6	2	6	2	24	
Patents By Year of Application:	0	0	0	0	0	4	2	2	1	5	2	2	6	0	0	24	
OGLESBY PLANTS INTERNATIONAL, INC.																	
Patents By Year of Grant:	0	1	5	1	7	4	3	2	1	0	0	0	0	0	0	24	
Patents By Year of Application:	5	1	4	4	6	3	1	0	0	0	0	0	0	0	0	24	
racenes by rear or appricacion.	3	_	-	-	J	3	-	v	· ·	Ū	Ū	v	v	J	v	21	
GEBR. VLETTER & J.A. DEN HAAN																	
Patents By Year of Grant:	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	
Patents By Year of Application:	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	
SUNNY GRONNEGYDEN APS																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	1	3	4	1	7	4	3	23	
Patents By Year of Application:	0	0	0	0	0	0	0	4	4	0	8	1	3	3	0	23	
AGRIOM B.V.																	
Patents By Year of Grant:	0	0	1	0	0	0	0	0	0	3	1	7	9	1	0	22	
Patents By Year of Application:	0	1	0	0	0	0	0	0	4	7	0	9	1	0	0	22	
racened by rear or apprioaction.	· ·	-	· ·	v	ŭ	v	· ·	•	•	,	v	,	-	Ū	•		
ETS. GUILLOU FRERES																	
Patents By Year of Grant:	15	1	4	0	0	2	0	0	0	0	0	0	0	0	0	22	
Patents By Year of Application:	20	0	2	0	0	0	0	0	0	0	0	0	0	0	0	22	
GESSELLSCHAFTSVERTRAG UBER DIE ERFIN			OPTI														
Patents By Year of Grant:	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	
Patents By Year of Application:	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	
GRUNEWALD VEREDLINGS B.V.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	5	1	0	6	0	1	8	1	22	
Patents By Year of Application:	0	0	0	0	0	0	6	0	3	3	0	7	3	0	0	22	
racence by rear or apprication:	3	9	3	9	J	U		v	,	3	Ū	,	3	Ū	J	22	

					, .									_		
Organizational Patenting				(Grante	ed: Jan 0	1, 1987	- Dec 31	, 2011)	F	Ranked Li	st of Or	ganizati	ons with	5 or 1	More Pat	ents
	D															
	Pre	1000	1000	2000	2001	2002	2002	2004	2005	2006	2007	2000	2000	2010	2011	шошат.
	1998	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	TOTAL
KEISEI ROSE NURSERIES, INC.																
Patents By Year of Grant:	2	0	1	0	0	0	2	1	0	6	4	5	0	1	0	22
Patents By Year of Application:	3	0	0	0	2	1	0	0	9	2	4	1	0	0	0	22
VISIO PLANT																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	7	10	0	0	0	5	0	22
Patents By Year of Application:	0	0	0	0	0	0	0	17	0	0	0	0	5	0	0	22
BARTELS BREEDING B.V.																
Patents By Year of Grant:	0	0	0	1	4	5	0	0	0	7	1	0	0	0	3	21
Patents By Year of Application:	0	1	6	2	1	0	0	0	8	0	0	0	0	3	0	21
HER MAJESTY THE QUEEN IN RIGHT OF CAN	NADA, AS	REPRESEN	TED BY T	HE MINIS	STER OF A	GRICULTU	RE									
Patents By Year of Grant:	11	0	1	3	3	1	1	0	0	1	0	0	0	0	0	21
Patents By Year of Application:	12	4	2	0	2	0	0	1	0	0	0	0	0	0	0	21
CORNELL UNIVERSITY																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	20
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	0	1	19	0	20
HORTICULTURE AND FOOD RESEARCH INSTIT	TUTE OF N	EW ZEALA	ND LIMIT	ED												
Patents By Year of Grant:	1	0	0	5	0	0	7	2	0	0	2	2	0	1	0	20
Patents By Year of Application:	6	0	0	0	5	5	0	1	1	1	0	1	0	0	0	20
MILESTONE AGRICULTURE INC.																
Patents By Year of Grant:	9	5	1	0	4	1	0	0	0	0	0	0	0	0	0	20
Patents By Year of Application:	14	1	2	3	0	0	0	0	0	0	0	0	0	0	0	20
-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -							•		,		-	-	-	-		=-
UNIVERSITY OF ARKANSAS																
Patents By Year of Grant:	9	0	0	0	3	4	0	1	1	0	0	0	0	2	0	20
Patents By Year of Application:	9	0	4	3	0	1	0	1	0	0	0	2	0	0	0	20
1 decired by rear or imprincation.		J	-	,		-	·	-	J			_	•	v	J	20
AGRICULTURE AND AGRI-FOOD CANADA																
Patents By Year of Grant:	1	0	0	3	0	0	0	0	1	1	4	3	5	0	1	19
Patents By Year of Application:	1	3	0	0	0	2	1	3	2	0	6	0	0	1	0	19
racence by rear or Apprication:	4	3	U	U	U	4	1	3	4	U	0	U	U	_	U	13
Compage Plants P V																
Compass Plants B.V.	0	0	0	0	0	0	0	0	0	0	3	8	4	1	3	19
Patents By Year of Grant:			0	0	0	0	0	0	3	0	3 8	8 4	4	1 0	0	
Patents By Year of Application:	0	0	0	0	0	U	U	U	3	U	8	4	4	U	U	19
DELIFLOR ROYALTY B.V.					_			_		_	_		_		_	
Patents By Year of Grant:	0	0	0	0	0	0	4	7	2	2	3	0	0	0	1	19
Patents By Year of Application:	0	0	0	0	0	4	7	4	3	0	0	0	0	1	0	19

THE THIRTS REPORT															rage	
Organizational Patenting				(Grante	d: Jan 0	1, 1987	- Dec 31	, 2011)	R	anked Li	st of Or	ganizati	ons with	5 or 1	More Pat	ents
												_				
	Pre															
	1998	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	TOTAL
Elsner PAC Jungpflanzen GbR																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	1	7	11	19
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	1	7	3	8	0	19
MAK 'T ZAND B.V.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	2	5	10	0	2	0	0	19
Patents By Year of Application:	0	0	0	0	0	0	0	7	10	0	0	2	0	0	0	19
D. WOOTT : FOURTH D. V.																
P. KOOIJ + ZONEN B.V.	•	•	•	•	,		•	•	•	•	_			_	•	1.0
Patents By Year of Grant: Patents By Year of Application:	0	0	0 7	0	3 0	4 0	0 0	0	0 7	0 1	7 0	1 4	4 0	0 0	0	19 19
ratents by rear or Apprication:	U	U	,	U	U	U	U	U	,	1	U	*	U	U	U	13
PLANTAS DE NAVARRA S.A.																
Patents By Year of Grant:	7	0	1	0	0	0	1	5	1	3	0	0	1	0	0	19
Patents By Year of Application:	8	0	0	0	1	6	3	0	0	0	0	1	0	0	0	19
TREE INTRODUCTIONS, INC.																
Patents By Year of Grant:	2	0	0	5	1	0	5	0	0	2	1	0	3	0	0	19
Patents By Year of Application:	3	4	1	0	4	1	0	2	1	3	0	0	0	0	0	19
WASHINGTON STATE UNIVERSITY RESEARCH																
Patents By Year of Grant:	7	1	0	1	1	0	0	1	3	0	2	0	1	1	1	19
Patents By Year of Application:	8	2	0	0	0	1	3	0	2	0	2	0	1	0	0	19
ERNST BENARY SAMENZUCHT GMBH	•	•	•	•	•	•	•	•			_	_		_	•	10
Patents By Year of Grant: Patents By Year of Application:	0	0	0	0	0	0	0 0	0 1	1 4	1 3	5 8	7 2	4 0	0 0	0	18 18
ratents by rear of Application:	U	U	U	U	U	U	U	1	4	3	0	2	U	U	U	10
Kolster Beheer B.V.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	1	4	10	3	18
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	1	0	14	0	3	0	18
Roses Forever ApS																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	1	12	2	3	0	18
Patents By Year of Application:	0	0	0	0	0	0	0	0	1	0	13	1	3	0	0	18
FLORANOVA LTD.																
Patents By Year of Grant:	0	0	0	0	0	0	7	0	1	0	0	0	4	5	0	17
Patents By Year of Application:	0	0	0	0	0	7	0	1	0	0	0	9	0	0	0	17
Florist de Kwakel B.V.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	7	10	17
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	0	11	6	0	17
racence by rear or apprication:	U	U	0	U	U	U	U	U	U	U	U	U		U	J	1,

PLANT PATENTS REPORT Page B - 13

Organizational Patenting				(Grante	ed: Jan 0	1, 1987	- Dec 31	, 2011)	R	anked Li	st of Or	ganizati	ons with	5 or 1	More Pat	cents
	Pre															
	1998	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	TOTAL
J. FRANK SCHMIDT & SON CO.																
Patents By Year of Grant:	9	3	0	0	0	0	1	0	0	1	0	0	0	1	2	17
Patents By Year of Application:	12	0	0	0	0	1	0	0	1	0	0	1	1	1	0	17
KENT'S BROMELIAD NURSERY, INC.																
Patents By Year of Grant:	7	1	0	4	1	4	0	0	0	0	0	0	0	0	0	17
Patents By Year of Application:	8	4	1	2	2	0	0	0	0	0	0	0	0	0	0	17
OMS INVESTMENTS, INC.																
Patents By Year of Grant:	6	1	1	3	1	1	0	0	0	0	0	3	0	1	0	17
Patents By Year of Application:	8	3	0	2	0	0	0	0	2	2	0	0	0	0	0	17
SEQUOIA NURSERY			_	_				_		_				_		
Patents By Year of Grant:	17 17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17 17
Patents By Year of Application:	17	U	U	U	U	U	0	U	0	U	0	U	U	U	U	17
SHADY OAKS NURSERY, LLC																
Patents By Year of Grant:	0	0	0	0	0	3	0	0	0	9	1	0	3	1	0	17
Patents By Year of Application:	0	0	3	0	0	0	0	1	9	0	2	2	0	0	0	17
AGRI OBTENTIONS S.A.																
Patents By Year of Grant:	1	0	0	0	0	1	0	0	2	6	4	0	1	0	1	16
Patents By Year of Application:	1	0	0	0	1	0	6	4	2	0	0	1	0	1	0	16
AMERICAN FORESTRY TECHNOLOGIES, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	8	2	4	2	0	0	0	0	16
Patents By Year of Application:	0	0	0	0	0	10	0	6	0	0	0	0	0	0	0	16
CALIFORNIA-FLORIDA PLANT CORPORATION	_	•				•			•	_	•			_	•	
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0 10	7	3	0	0 5	5 0	0	16
Patents By Year of Application:	1	U	0	U	U	U	U	U	10	U	U	U	5	U	U	16
ENTHOVEN BREEDING B.V.																
Patents By Year of Grant:	8	6	2	0	0	0	0	0	0	0	0	0	0	0	0	16
Patents By Year of Application:	14	2	0	0	0	0	0	0	0	0	0	0	0	0	0	16
J. & H. Westhoff Interpel			_							_	_					
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	5	7	3	1	0	0	16
Patents By Year of Application:	0	0	0	0	0	0	0	0	10	3	3	0	0	0	0	16
Knaap Licenties B.V.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	4	4	3	5	0	16
Patents By Year of Application:	0	0	0	0	0	0	0	0	4	3	2	5	2	0	0	16

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Organizational Patenting				(Grante	d: Jan 0	1, 1987	- Dec 31	, 2011)	R	anked Li	st of Or	ganizati	ons with	5 or	More Pat	ents	-
	Pre																
	1998	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	TOTAL	
OUTBACK PLANTS PTY. LTD.																	
Patents By Year of Grant:	0	0	2	4	3	1	1	0	0	0	0	0	1	2	2	16	
Patents By Year of Application:	2	4	0	3	1	1	0	0	0	0	0	2	1	2	0	16	
PLANT COMPANY																	
Patents By Year of Grant:	13	0	3	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	
The New Zealand Institute for Plant a	and Food	Pegearch	T.imited	ı													
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	3	6	7	16	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	1	8	6	1	0	16	
Chrysanthemum Breeders Association Re	esearch B	3.V.															
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	2	7	5	1	15	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	9	5	1	0	0	15	
_, _ ,																	
Ecke Geraniums LLC	•	•	•	0	•	•	0	0	•	•	0	1	4	7	2	15	
Patents By Year of Grant: Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0 1	1 9	4	7 1	3 0	15 15	
Pacents by fear of Application:	U	U	U	U	U	U	U	U	U	U	1	9	4	1	U	13	
INTERNATIONAL PLANT BREEDING AG																	
Patents By Year of Grant:	0	11	0	0	0	0	4	0	0	0	0	0	0	0	0	15	
Patents By Year of Application:	11	0	0	0	0	4	0	0	0	0	0	0	0	0	0	15	
KOPPE ROYALTY B. V.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	1	0	3	1	4	3	1	2	15	
Patents By Year of Application:	0	0	0	0	0	0	0	1	3	2	3	3	2	1	0	15	
MOZANT LLC																	
Patents By Year of Grant:	0	0	0	0	1	3	4	7	0	0	0	0	0	0	0	15	
Patents By Year of Application:	0	0	1	3	8	3	0	0	0	0	0	0	0	0	0	15	
1400100 2/ 1041 01 11/2104010111		•	-		•		•		•	•		•	· ·		•		
Sun World International, LLC																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	1	7	3	0	4	15	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	7	2	2	3	1	0	15	
VLETTER & DEN HAAN BEHEER B.V.									_				_	_			
Patents By Year of Grant:	2	0	0	0	0	2	0	2	5	4	0	0	0	0	0	15	
Patents By Year of Application:	2	0	6	2	0	0	5	0	0	0	0	0	0	0	0	15	
WILLI ENDISCH GBR																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	7	2	0	5	0	1	0	15	
Patents By Year of Application:	0	0	0	0	0	0	0	8	1	0	5	0	1	0	0	15	
• •••																	

Organizational Patenting				(Grante	d: Jan 0	1, 1987	- Dec 31	, 2011)	R	anked Li	st of Or	ganizati	ons with	5 or 1	More Pat	ents
	Pre	1000	1000													
	1998	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	TOTAL
ADAMS COUNTY NURSERY, INC.																
Patents By Year of Grant:	6	1	3	2	0	0	0	1	1	0	0	0	0	0	0	14
Patents By Year of Application:	10	2	0	0	0	0	1	1	0	0	0	0	0	0	0	14
ANTHURA B.V.																
Patents By Year of Grant:	0	0	0	0	1	2	0	4	0	2	0	1	4	0	0	14
Patents By Year of Application:	0	0	0	2	1	0	6	0	0	1	0	4	0	0	0	14
FISCHER GERANIUMS, INC.	1.4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1.4
Patents By Year of Grant:	14	0	0	0 0	0	0 0	0 0	0 0	0 0	0 0	0 0	0	0 0	0	0 0	14 14
Patents By Year of Application:	14	U	U	U	U	U	U	U	U	U	U	U	U	U	U	14
HORTECH, INC.																
Patents By Year of Grant:	1	0	0	0	0	1	0	0	0	0	0	1	0	0	11	14
Patents By Year of Application:	1	0	0	0	2	0	0	0	0	0	0	0	0	11	0	14
INTERNATIONAL PLANT MANAGEMENT, INC.																
Patents By Year of Grant:	0	8	0	0	0	2	1	0	0	1	0	0	1	1	0	14
Patents By Year of Application:	8	0	0	2	1	0	0	1	0	0	0	2	0	0	0	14
OGLESBY PLANT LABORATORIES, INC.																
Patents By Year of Grant:	10	4	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
SAATZUCHT QUEDLINBURG GMBH																
Patents By Year of Grant:	12	2	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
1400100 5, 1041 01 11			·	·			•		•			·	•	•		
SUNNY BORDER NURSERIES, INC.																
Patents By Year of Grant:	0	0	0	0	0	1	0	0	3	3	0	0	4	2	1	14
Patents By Year of Application:	0	0	1	0	0	0	0	6	0	0	2	2	2	1	0	14
SYNGENTA PARTICIPATIONS AG																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	11	3	0	14
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	14
ASTERKLUBBEN																
Patents By Year of Grant:	0	6	0	0	0	4	0	2	0	0	0	0	1	0	0	13
Patents By Year of Application:	6	0	0	0	0	4	0	2	0	0	1	0	0	0	0	13
1 1 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	·	,	,	v		•		-		v	-	•			, ,	
AUBURN UNIVERSITY																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	7	3	3	13
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	10	0	3	0	13

Organizational Patenting				(Grante	d: Jan 0	1, 1987	- Dec 31	, 2011)	R	Ranked Li	st of Or	ganizati	ons with	5 or 1	More Pat	ents
	Pre															
	1998	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	TOTAL
Advanced Plant Technologies LLC																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	11	1	0	0	0	13
Patents By Year of Application:	0	0	0	0	0	0	0	0	1	12	0	0	0	0	0	13
BLOOMZ LIMITED																
Patents By Year of Grant:	0	0	0	0	0	0	0	4	3	0	2	0	4	0	0	13
Patents By Year of Application:	0	0	0	0	0	0	4	3	2	0	2	2	0	0	0	13
Gartneriet PKM A/S																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	1	3	1	4	4	13
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	1	4	1	4	3	0	13
ITO PACKING CO., INC.																
Patents By Year of Grant:	12	0	0	0	0	1	0	0	0	0	0	0	0	0	0	13
Patents By Year of Application:	12	0	1	0	0	0	0	0	0	0	0	0	0	0	0	13
PARADISE SEED COMPANY																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	5	1	3	2	2	0	0	13
Patents By Year of Application:	0	0	0	0	0	0	0	5	3	1	2	2	0	0	0	13
RESEARCH CORPORATION TECHNOLOGIES, IN	IC.															
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
ROSEN TANTAU MATHIAS TANTAU NACHFOLGE	ER.															
Patents By Year of Grant:	0	0	0	0	1	2	2	1	1	3	2	0	1	0	0	13
Patents By Year of Application:	0	0	2	1	1	2	1	4	1	0	1	0	0	0	0	13
ROYAL BERRIES S.L.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	3	10	0	13
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	13	0	0	0	13
SOCIETE ANONYME DES PEPINIERES ET ROS	SERAIES G	EORGES D	ELBARD													
Patents By Year of Grant:	1	4	0	3	0	3	1	0	0	1	0	0	0	0	0	13
Patents By Year of Application:	5	3	0	3	1	0	0	1	0	0	0	0	0	0	0	13
WOLFGANG BOCK PFLANZENEXPORT KG																
Patents By Year of Grant:	3	5	4	0	0	0	0	0	0	0	0	1	0	0	0	13
Patents By Year of Application:	12	0	0	0	0	0	0	0	0	1	0	0	0	0	0	13
COINER NURSERY																
Patents By Year of Grant:	2	0	0	0	0	3	1	0	3	3	0	0	0	0	0	12
Patents By Year of Application:	2	0	0	4	6	0	0	0	0	0	0	0	0	0	0	12

Organizational Patenting				(Grante	d: Jan 0	1, 1987	- Dec 31,	, 2011)	R	anked Li	st of Or	ganizati	ons with	5 or 1	More Pat	cents
	Pre															
	1998	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	TOTAL
D. S. COLE GROWERS, INC.																
Patents By Year of Grant:	4	1	1	0	0	5	0	1	0	0	0	0	0	0	0	12
Patents By Year of Application:	6	0	0	5	0	1	0	0	0	0	0	0	0	0	0	12
DENACHTVLINDER B.V.																
Patents By Year of Grant:	3	3	1	0	1	3	0	0	0	0	0	1	0	0	0	12
Patents By Year of Application:	7	0	4	0	0	0	0	0	0	1	0	0	0	0	0	12
GREEN CIRCLE GROWERS, INC.																
Patents By Year of Grant:	11	1	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Patents By Year of Application:	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
HEM GENETICS BV																
Patents By Year of Grant:	0	0	0	0	0	3	9	0	0	0	0	0	0	0	0	12
Patents By Year of Application:	0	0	0	0	3	9	0	0	0	0	0	0	0	0	0	12
MIYOSHI & CO. LTD.																
Patents By Year of Grant:	3	4	0	0	0	0	1	0	1	2	1	0	0	0	0	12
Patents By Year of Application:	7	0	0	0	0	1	2	0	2	0	0	0	0	0	0	12
STATE OF ISRAEL, MINISTRY OF AGRICULT	JRE, AGR	ICULTURA	L RESEAR	RCH ORGAN	IZATION,	THE VOL	CANI CENT	TER								
Patents By Year of Grant:	9	0	1	2	0	0	0	0	0	0	0	0	0	0	0	12
Patents By Year of Application:	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
BODGER SEEDS, LTD.																
Patents By Year of Grant:	5	0	0	0	0	0	0	5	1	0	0	0	0	0	0	11
Patents By Year of Application:	5	0	0	0	0	0	6	0	0	0	0	0	0	0	0	11
CENTERTON NURSERY, INC.																
Patents By Year of Grant:	1	0	0	0	0	0	4	1	0	1	0	1	3	0	0	11
Patents By Year of Application:	1	0	0	0	4	0	1	1	0	1	2	1	0	0	0	11
DALINA APS																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	3	1	0	3	1	2	1	11
Patents By Year of Application:	0	0	0	0	0	0	0	4	0	0	4	0	2	1	0	11
FRUIT TREE RESEARCH STATION, MINISTRY																
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
GARTNERIET PKM APS																
Patents By Year of Grant:	0	0	0	0	0	0	0	2	4	5	0	0	0	0	0	11
Patents By Year of Application:	0	0	0	0	0	0	7	1	3	0	0	0	0	0	0	11

Organizational Patenting				(Grante	ed: Jan 0	1, 1987	- Dec 31	, 2011)	R	anked Li	st of Or	ganizati	ons with	5 or 1	More Pat	ents	•
	Pre																
	1998	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	TOTAL	
H. AND B.R. VAN DEN BOSCH B.V.																	
Patents By Year of Grant:	0	0	3	2	0	1	3	1	0	1	0	0	0	0	0	11	
Patents By Year of Application:	0	3	2	1	0	3	1	0	1	0	0	0	0	0	0	11	
HARTMAN PLANT LABORATORIES, INC.																	
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	
HOFFGAARDE B.V.	10	0	1	0	•	0	0	0	•	•	•	•	0	•	0	11	
Patents By Year of Grant: Patents By Year of Application:	10 11	0	1	0	0	0	0	0	0	0	0	0	0	0	0	11 11	
racenes by rear or appricacion:	11	U	U	U	U	U	U	U	U	U	U	U	U	U	U	11	
INTER-PLANT PATENT MARKETING, INC.																	
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	
KONST BREEDING B.V.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	4	0	0	1	2	1	3	11	
Patents By Year of Application:	0	0	0	0	0	0	0	4	0	1	0	2	1	3	0	11	
L. DAEHNFELDT A/S 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	
racence by rear or appricacion.		Ū	v	v	Ū	Ū	Ū	Ū	Ū	Ū	Ū	v	J	Ū	v		
O. M. SCOTT AND SONS COMPANY																	
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	
PURDUE RESEARCH FOUNDATION																	
Patents By Year of Grant:	4	0	0	0	0	1	3	0	0	2	1	0	0	0	0	11	
Patents By Year of Application:	4	1	0	0	3	0	0	2	1	0	0	0	0	0	0	11	
STATE OF ISRAEL - MINISTRY OF AGRICUL	תוג שפוויד.	DIIDAT. P	FVFT.ODM	ידואי													
Patents By Year of Grant:	0	O RUKAL L	O COLUMN	0	0	0	11	0	0	0	0	0	0	0	0	11	
Patents By Year of Application:	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	11	
SUN WORLD, INC.																	
Patents By Year of Grant:	8	3	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	
THE STATE OF ISRAEL - MINISTRY OF AGR				-				NIZATION							_		
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	3	0	0	0	1	7	11	
Patents By Year of Application:	0	0	0	0	0	0	0	3	0	0	0	1	7	0	0	11	

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Organizational Patenting				(Grante	ea: Jan 0	11, 1987	- Dec 31,	, 2011)	R	anked Li	st of Or	ganızatı	ons with	5 or 1	more Pat	ents
	Pre															
	1998	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	TOTAL
										_500						
UNIVERSITY OF NEBRASKA, THE BOARD OF F	REGENTS	OF														
Patents By Year of Grant:	3	0	0	3	0	0	1	0	0	0	0	0	4	0	0	11
Patents By Year of Application:	6	0	0	0	1	0	0	0	0	0	3	1	0	0	0	11
C.I. Valmar S.A.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	10
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	0	4	6	0	10
reaction by rear or apprication.	J	J	J	J	J	J	•	·	J	J	v	•	-	v	J	
CLEARWATER NURSERY, INC.																
Patents By Year of Grant:	7	2	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
racents by rear or apprication:	10	J	J	J		,	v	J	J			v		· ·	J	10
Claus & Torsten Kuhne GbR																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	3	4	3	10
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	3	4	2	1	0	10
ratents by rear or Application:	U	U	U	U	U	U	U	U	U	U	3	4	4	1	U	10
DELTELOD GUDYGANTEN D V																
DELIFLOR CHRYSANTEN B.V.	•	•		•			2	•		•	•	•	•	-	•	10
Patents By Year of Grant:	0	0	0	0 1	1	1 2	3 0	0	1 3	0	3	0	0 1	1	0	10
Patents By Year of Application:	0	0	1	1	1	2	0	1	3	0	0	0	1	0	0	10
GILBERG PERENNIAL FARMS, INC.	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	
Patents By Year of Grant:	0	0	3	1	2	0	4	0	0	0	0	0	0	0	0	10
Patents By Year of Application:	0	4	2	4	0	0	0	0	0	0	0	0	0	0	0	10
GroLink Plant Company																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	10
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	4	6	0	0	0	10
INSPIRATION PLANT CV																
Patents By Year of Grant:	0	0	0	0	0	0	0	8	1	0	1	0	0	0	0	10
Patents By Year of Application:	0	0	0	0	0	0	9	0	1	0	0	0	0	0	0	10
KOPPE VEREDELING B.V.																
Patents By Year of Grant:	0	0	2	1	1	2	3	1	0	0	0	0	0	0	0	10
Patents By Year of Application:	0	3	1	2	0	3	1	0	0	0	0	0	0	0	0	10
Schoenmakers Tropische Potcultures VOI	?															
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	6	4	0	0	0	0	10
Patents By Year of Application:	0	0	0	0	0	0	0	0	9	1	0	0	0	0	0	10
TEXAS A AND M UNIVERSITY																
Patents By Year of Grant:	1	1	1	2	0	1	2	2	0	0	0	0	0	0	0	10
Patents By Year of Application:	3	2	0	1	0	4	0	0	0	0	0	0	0	0	0	10
	-	-		-	-	-	-	_	-	-	-	-		-	-	- *

	5 5 STITUTE, CO	998 0 0	1999 0 0	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	TOTAL
UNIVERSITY OF FLORIDA Patents By Year of Grant: Patents By Year of Application: UNIVERSITY OF SYDNEY PLANT BREEDING INS Patents By Year of Grant:	1998 19 5 5 5 5 STITUTE, CO	0	0	0		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	TOTAL
Patents By Year of Grant: Patents By Year of Application: UNIVERSITY OF SYDNEY PLANT BREEDING INS Patents By Year of Grant:	5 STITUTE, CO O	0	-		0											
Patents By Year of Application: UNIVERSITY OF SYDNEY PLANT BREEDING INS Patents By Year of Grant:	5 STITUTE, CO O	0	-		0											
UNIVERSITY OF SYDNEY PLANT BREEDING INS	STITUTE, CO		0	0		0	0	0	0	0	0	4	1	0	0	10
Patents By Year of Grant:	0	OBBIT:			0	0	0	0	0	0	4	1	0	0	0	10
			TY													
Patents By Year of Application:	_	0	3	3	4	0	0	0	0	0	0	0	0	0	0	10
Taches by rear of Applications	3	3	4	0	0	0	0	0	0	0	0	0	0	0	0	10
VERSASCAPES L.L.C.																
Patents By Year of Grant:	0	0	0	0	0	0	0	1	1	0	2	6	0	0	0	10
Patents By Year of Application:	0	0	0	0	0	0	2	1	5	2	0	0	0	0	0	10
WITTEMAN + CO. MULTIFLORA B.V.																
Patents By Year of Grant:	0	0	0	0	2	7	1	0	0	0	0	0	0	0	0	10
Patents By Year of Application:	0	0	0	3	6	1	0	0	0	0	0	0	0	0	0	10
WULFINGHOFF ALSTROEMERIA B.V.																
Patents By Year of Grant:	1	0	0	0	0	1	1	2	1	0	1	0	0	1	2	10
Patents By Year of Application:	1	0	0	0	1	4	0	0	1	0	0	1	0	2	0	10
Agricultural Research & Development LL	ic.															
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	2	0	0	0	0	7	9
Patents By Year of Application:	0	0	0	0	0	0	0	0	2	0	0	0	0	7	0	9
BULLIS BROMELIADS, INC.																
Patents By Year of Grant:	0	0	0	0	3	1	0	0	0	0	0	0	1	3	1	9
Patents By Year of Application:	0	0	1	2	1	0	0	0	0	0	1	0	4	0	0	9
COOPERATIEVE VERENIGING WERKGROEP HIBIS	SCUS U.A.															
Patents By Year of Grant:	0	0	0	0	0	0	4	4	1	0	0	0	0	0	0	9
Patents By Year of Application:	0	0	0	0	0	4	5	0	0	0	0	0	0	0	0	9
DENHOLM SEEDS, INC.																
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
GOLDEN STATE BULB GROWERS																
Patents By Year of Grant:	4	0	0	0	0	4	0	0	0	0	1	0	0	0	0	9
Patents By Year of Application:	4	0	0	4	0	0	0	0	1	0	0	0	0	0	0	9
GOLDSTOCK BREEDING LIMITED																
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

Organizational Patenting				(Grante	ed: Jan 0	1, 1987	- Dec 31	, 2011)	R	anked Li	st of Or	ganizati	ons with	5 or 1	More Pat	cents
	Pre															
	1998	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	TOTAL
HORTIBREED N.V.																
Patents By Year of Grant:	0	0	0	1	0	0	0	1	0	4	0	0	0	2	1	9
Patents By Year of Application: JOHN I. HAAS, INC.	0	0	1	0	0	0	1	3	1	0	0	2	1	0	0	9
Patents By Year of Grant:	4	0	0	1	0	4	0	0	0	0	0	0	0	0	0	9
Patents By Year of Application:	5	0	4	0	0	0	0	0	0	0	0	0	0	0	0	9
-	3	U	7	U	U	U	Ū	Ū	U	Ū	Ū	Ū	v	U	Ū	,
JOSEPH + LUC PIETERS BVBA	0	0	0	0	0	•	,	2	-	1	0	0	0	0	2	9
Patents By Year of Grant:	0	0	0	0	0	0	3	1	1	0	0	0	0	0	2	9
Patents By Year of Application:	Ü	U	U	U	U	3	2	1	_	U	U	Ü	U	U	2	9
NATIVE PLANTS, INC. 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
-	,	Ū	v	v	v	Ū	Ū	Ū	Ū	v	v	Ü	v	Ū	v	,
OASIS HORTICULTURE PTY, LTD.							_									
Patents By Year of Grant:	0	0	0	0	0	0	5	1	3	0	0	0	0	0	0	9
Patents By Year of Application:	0	0	0	0	2	3	4	0	0	0	0	0	0	0	0	9
SUNVIEW VINEYARDS OF CALIFORNIA, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	1	5	2	1	0	0	0	0	0	9
Patents By Year of Application:	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	9
SWEETBRIAR DEVELOPMENT INC.																
Patents By Year of Grant:	5	0	4	0	0	0	0	0	0	0	0	0	0	0	0	9
Patents By Year of Application:	5	4	0	0	0	0	0	0	0	0	0	0	0	0	0	9
UNIVERSITY OF NEW HAMPSHIRE																
Patents By Year of Grant:	0	0	0	0	0	0	0	2	0	0	0	5	2	0	0	9
Patents By Year of Application:	0	0	0	0	0	0	2	0	0	3	4	0	0	0	0	9
WIESMOOR-GARTNEREI UND BAUMSCHULE GMBH			_					_		_				_		
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
AGRI-STARTS INC.		_	_	_		_	_		_				_		_	_
Patents By Year of Grant:	2	0	2	0	0	0	0	0	0	0	3	0	0	0	1	8
Patents By Year of Application:	4	0	0	0	0	0	0	0	0	3	0	0	1	0	0	8
B. L. COBIA, 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

Organizational Patenting				(Grante	d: Jan 0	1, 1987	- Dec 31,	2011)	R	anked Li	st of Or	ganizati	ons with	5 or	More Pat	ents	-
	Pre 1998	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	TOTAL	
BERRY GENETICS, INC.																	
Patents By Year of Grant:	0	0	0	0	0	6	0	0	0	0	2	0	0	0	0	8	
Patents By Year of Application:	0	0	4	0	2	0	0	0	2	0	0	0	0	0	0	8	
COLOR SPOT NURSERIES, INC.																	
Patents By Year of Grant:	0	0	1	4	1	1	0	0	0	0	0	0	0	1	0	8	
Patents By Year of Application:	2	3	0	1	1	0	0	0	0	0	0	1	0	0	0	8	
COLORADO STATE UNIVERSITY RESEARCH F	OUNDATION																
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	
FIDES, HANDELSKWEKERIJ																	
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	
Floranova Service Corp.																	
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	4	4	0	8	
G & G Breeding Corporation																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	5	3	0	0	0	8	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	8	
Green Works International B.V.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	4	3	1	0	0	0	0	8	
Patents By Year of Application:	0	0	0	0	0	0	0	6	2	0	0	0	0	0	0	8	
HEAD ORNAMENTALS, INC.																	
Patents By Year of Grant:	0	0	0	0	1	1	0	1	0	0	1	2	0	2	0	8	
Patents By Year of Application:	0	0	1	0	1	1	0	0	1	2	0	2	0	0	0	8	
HILVERDA B.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	
Handelskwekerij Verheijen vof.	•	•	•	•	•	•	•	•	•	-		•	•	•	•	•	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	5	1	2	0	0	0	8	
Patents By Year of Application:	0	0	0	0	0	0	0	1	5	2	0	0	0	0	0	8	
INSTITUTE OF EXPERIMENTAL BOTANY																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	3	0	0	3	0	2	0	8	
Patents By Year of Application:	0	0	0	0	0	0	1	2	0	3	0	0	2	0	0	8	
racenes by rear or application:	U	U	J	U	U	U	_	4	U	3	U	U	4	U	J	0	

Organizational Patenting				(Grante	ed: Jan 0	1, 1987	- Dec 31,	, 2011)	R	Ranked Li	st of Or	ganizati	ons with	5 or :	More Pat	ents
	Pre 1998	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	TOTAL
	1,500	1000	1,,,,	2000	2001	2002	2005	2001	2003	2000	2007	2000	2005	2010	2011	IOIAL
K. Sahin Zaden B.V.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	1	0	0	5	2	8
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	1	0	5	0	2	0	8
LOUISIANA STATE UNIVERSITY																
Patents By Year of Grant:	0	0	0	0	0	0	1	2	0	0	1	2	2	0	0	8
Patents By Year of Application:	0	0	0	0	1	2	0	1	0	2	2	0	0	0	0	8
NEW PLANTS	_						_					_		_		
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
PRIDE OF PLACE PLANTS, INC.																
	0	0	2	0	0	2	0	3	1	0	0	0	0	0	0	8
Patents By Year of Grant: Patents By Year of Application:	2	1	0	1	1	3	0	0	0	0	0	0	0	0	0	8
racence by rear or Apprication:	2	1	U	1	1	3	U	U	U	U	U	U	U	U	U	0
Plants Nouveau a division of Treadwel	ll Palmer	Interna	tional.	Inc.												
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	6	2	0	8
Ramm Botanicals Holdings Pty. Ltd.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	3	0	3	2	0	8
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	3	0	4	1	0	0	8
SUNNY OSTEOSPERMUM APS																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	5	3	0	0	0	0	8
Patents By Year of Application:	0	0	0	0	0	0	0	3	5	0	0	0	0	0	0	8
UNIVERSITY OF TENNESSEE RESEARCH CORE	PORATION 5		•	•	0	2	•	0	0	0	•	0	•	•	•	8
Patents By Year of Grant:	5 5	0	0	0 3	0	3 0	0 0	0 0	0	0	0	0	0	0	0	8
Patents By Year of Application:	5	U	U	3	U	U	U	U	U	U	U	U	U	U	U	0
AB Breeding																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	5	0	0	2	0	0	7
Patents By Year of Application:	0	0	0	0	0	0	0	0	5	0	0	2	0	0	0	7
	-	-	-	-	-	-	-	-	-	-	-	_		-	-	
Boot & Co. Boonkwekerijen B.V.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	7
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	3	4	0	0	7
CHICAGOLAND GROWS, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	1	0	1	0	2	2	1	0	7
Patents By Year of Application:	0	0	0	0	0	0	1	1	0	1	2	1	1	0	0	7

Organizational Patenting				(Grante	d: Jan 0	1, 1987	- Dec 31,	, 2011)	R	anked Li	st of Or	ganizati	ons with	5 or 1	More Pat	ents
	Pre															
	1998	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	TOTAL
CO-OPERATIVE ROSE GROWERS, 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
DEROOSE PLANTS BVBA																
Patents By Year of Grant:	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	7
Patents By Year of Application:	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	7
FLORETA PTY. LTD.																
Patents By Year of Grant:	0	0	0	0	0	0	0	2	3	1	0	1	0	0	0	7
Patents By Year of Application:	0	0	0	0	0	0	0	5	1	0	1	0	0	0	0	7
GARTNERIET HJORTEBJERG I/S																
Patents By Year of Grant:	0	0	0	0	0	0	0	5	2	0	0	0	0	0	0	7
Patents By Year of Application:	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	7
GREENLEAF NURSERY COMPANY																
Patents By Year of Grant:	1	2	0	0	0	0	0	0	0	0	0	0	2	2	0	7
Patents By Year of Application:	3	0	0	0	0	0	0	0	0	0	2	0	2	0	0	7
GROOT ASSOCIATES II																
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
нва																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	1	6	0	0	0	0	0	7
Patents By Year of Application:	0	0	0	0	0	0	0	1	6	0	0	0	0	0	0	7
Hamer Bloemzaden B.V.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	7
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	7
MISSISSIPPI STATE UNIVERSITY																
Patents By Year of Grant:	0	3	0	0	1	0	0	0	0	0	0	0	0	3	0	7
Patents By Year of Application:	3	1	0	0	0	0	0	0	0	0	0	2	1	0	0	7
PIET SCHREURS HOLDING B.V.																
Patents By Year of Grant:	1	0	0	1	0	0	0	1	2	2	0	0	0	0	0	7
Patents By Year of Application:	2	0	0	0	0	3	2	0	0	0	0	0	0	0	0	7
RESEARCH FOUNDATION OF STATE UNIVERSI	TY OF NE	W YORK														
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	7
Patents By Year of Application:	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	7

Organizational Patenting				(Grante	ed: Jan 0	1, 1987	- Dec 31	, 2011)	R	anked Li	st of Or	ganizati	ons with	5 or 1	More Pat	ents	
	Pre																
	1998	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	TOTAL	
ROSES BY FRED EDMUNDS, INC.																	
Patents By Year of Grant:	6	0	0	0	0	0	0	1	0	0	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	
SAKATA SEED AMERICA, INC.																	
Patents By Year of Grant:	3	3	1	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	
SANDE BV																	
Patents By Year of Grant:	0	0	1	0	0	1	0	2	0	0	2	1	0	0	0	7	
Patents By Year of Application:	1	0	0	1	0	1	1	0	1	2	0	0	0	0	0	7	
SEED RESEARCH SERVICES, LLC																	
Patents By Year of Grant:	0	0	0	0	5	0	0	2	0	0	0	0	0	0	0	7	
Patents By Year of Application:	0	0	0	5	0	2	0	0	0	0	0	0	0	0	0	7	
SILZE GMBH & COMPANY KG																	
Patents By Year of Grant:	0	0	0	0	0	0	0	1	0	0	3	3	0	0	0	7	
Patents By Year of Application:	0	0	0	0	0	0	1	1	2	1	2	0	0	0	0	7	
SOUTHERN SELECTIONS, L.L.C.																_	
Patents By Year of Grant:	0	0	0	0	0	0	0	1	0	2	0	2	1	1	0	7	
Patents By Year of Application:	0	0	0	0	0	2	0	1	1	1	1	1	0	0	0	7	
STARK BROTHERS NURSERIES & ORCHARDS (
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: STEWART ORCHIDS	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	
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	
AGROPLANT-SELECT BV	,	Ū	v	Ū	v	Ū	v	Ū	Ū	v	Ū	v	v	Ū	Ū	,	
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	
-	Ü	Ü	ŭ	Ū	Ü	ŭ	Ü	Ü	ŭ	Ü	Ü	ŭ	Ü	Ü	ŭ	v	
Athena Mudas, Ltda Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	3	1	1	0	1	6	
Patents By Year of Application:	0	0	0	0	0	0	0	0	3	1	1	0	0	1	0	6	
	U	U	U	U	U	U	U	U	3	1	1	U	U	1	U	0	
Beckenkamp Plants B.V.	^	^	^	^	^	•	^	^	•	^	^	_	^	-	1		
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0 2	2	0	3	1	6 6	
Patents By Year of Application:	0	U	U	U	U	U	U	U	U	U	2	1	3	U	U	ь	

PLANT PATENTS REPORT Page B - 26

Organizational Patenting				(Grante	ed: Jan 0	1, 1987	- Dec 31	, 2011)	R	anked Li	st of Or	ganizati	ons with	5 or	More Pat	tents	-
	Pre																
	1998	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	TOTAL	
C.I.V. CONSORZIO ITALIANO VIVAISTI																	
Patents By Year of Grant:	1	0	0	2	0	0	1	0	0	0	0	2	0	0	0	6	
Patents By Year of Application:	1	2	0	0	1	0	0	0	0	1	1	0	0	0	0	6	
CARLTON ROSE NURSERIES, 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	
ESTABLISSEMENTS BARBERAT ET BLANC, L	ABORATOIR	E DE PHY	SIOLOGI														
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	
Florensis Hamer CS																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	6	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	4	2	0	0	6	
GEBR. MAN C.V.																	
Patents By Year of Grant:	2	3	1	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	
GEO. W. PARK SEED CO., INC.																	
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:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	
KOALA BLOOMS PTY. LTD.																	
Patents By Year of Grant:	0	6	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	
Koning Smit Holding N.V.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	1	0	1	3	0	6	
Patents By Year of Application:	0	0	0	0	0	0	0	0	2	0	0	4	0	0	0	6	
LACEBARK, INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	1	2	0	3	0	0	0	0	0	6	
Patents By Year of Application:	0	0	0	0	0	2	1	2	1	0	0	0	0	0	0	6	
LAKE AREA NURSERY, INC.																	
Patents By Year of Grant:	0	1	0	0	1	1	0	1	1	0	1	0	0	0	0	6	
Patents By Year of Application:	1	0	0	1	1	0	1	1	0	1	0	0	0	0	0	6	
METZLER INVESTMENTS																	
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	

Organizational Patenting				(Grante	d: Jan 0	1, 1987	- Dec 31	, 2011)	R	anked Li	st of Or	ganizati	ons with	5 or 1	More Pat	ents
-																
	Pre															
	1998	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	TOTAL
MICROFLOR N.V.																
Patents By Year of Grant:	0	0	0	0	0	0	2	0	0	1	0	0	3	0	0	6
Patents By Year of Application:	0	0	0	0	0	2	0	0	1	0	0	3	0	0	0	6
1400105 57 1041 01 115120401011			•			-			_							•
MITSUWA NURSERY, 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
NOVARTIS SEEDS B.V.																
Patents By Year of Grant:	0	0	3	1	0	2	0	0	0	0	0	0	0	0	0	6
Patents By Year of Application:	4	0	0	2	0	0	0	0	0	0	0	0	0	0	0	6
OKANAGAN PLANT IMPROVEMENT CO.LTD.																
Patents By Year of Grant:	0	3	1	2	0	0	0	0	0	0	0	0	0	0	0	6
Patents By Year of Application:	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	6
P. C. M. Olsthoorn Holding BV																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	6
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	6
PANORAMA ROSES N.V.																
Patents By Year of Grant:	0	0	3	1	0	1	0	0	1	0	0	0	0	0	0	6
Patents By Year of Application:	4	0	0	1	0	0	1	0	0	0	0	0	0	0	0	6
PENN STATE RESEARCH FOUNDATION, INC.																
Patents By Year of Grant:	0	0	1	1	1	1	0	0	1	0	0	1	0	0	0	6
Patents By Year of Application:	1	1	1	0	1	0	0	1	0	0	1	0	0	0	0	6
PLANTENKWEKERIJ J. VAN GEEST, B.V.																
Patents By Year of Grant:	1	0	0	1	0	2	0	0	2	0	0	0	0	0	0	6
Patents By Year of Application:	1	1	0	2	0	0	0	2	0	0	0	0	0	0	0	6
DOWN GRAY DOGED THE TOTAL TO THE THE TOTAL TO THE TOTAL THE TOTAL TO T																
POULSEN ROSER INTERNATIONAL S.A.R.L.	_	_				_				_				_		_
Patents By Year of Grant:	1	1	3	0	0	1	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	U	0	0	6
Prevar Limited																
Prevar Limited Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	2	0	1	0	3	6
Patents By Year of Application:	0	0	0	0	0	0	0	2	0	1	0	0	1	2	0	6
racenes by rear or apprication:	J	U	J	U	U	U	U		U		U	U	1	4	J	U
RESEARCH 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
- 3001100 2/ 1001 01 11	J	<u> </u>	J		.	•	•	•		-	•	•		•	,	•

Organizational Patenting				(Grante	d: Jan 0	1, 1987	- Dec 31	, 2011)	F	Ranked Li	st of Or	ganizati	ons with	5 or 1	More Pat	ents
	Pre															
	1998	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	TOTAL
SNC ELARIS																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	1	1	0	2	0	1	1	6
Patents By Year of Application:	0	0	0	0	0	0	1	1	0	2	0	2	0	0	0	6
racenes by rear or appricacion.	ŭ	ŭ	·	·	·	Ū	-	-	·	-	ŭ	-	ŭ	·	ŭ	Ü
Sakata Ornamentals Europe A/S																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	3	1	2	0	6
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	3	1	2	0	0	6
TREESEARCH (PARTNERSHIP)																
Patents By Year of Grant:	0	1	2	0	2	1	0	0	0	0	0	0	0	0	0	6
Patents By Year of Application:	3	0	1	2	0	0	0	0	0	0	0	0	0	0	0	6
UNIVERSITY OF CONNECTICUT																
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	0	0	0	1	0	0	0	0	0	0	6
UNIVERSITY OF MASSACHUSETTS																
Patents By Year of Grant:	0	0	0	1	0	0	0	1	0	1	2	0	0	0	1	6
Patents By Year of Application:	0	1	0	0	0	1	0	1	2	0	0	0	1	0	0	6
VARIETIES INTERNATIONAL, LLC																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	3	2	0	0	0	1	0	6
Patents By Year of Application:	0	0	0	0	0	3	0	2	0	0	0	1	0	0	0	6
WEYERHAEUSER 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
AGROMILLORA IBERIA, S.L.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	5
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5
Amazing Breeders Company B.V.																
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	0	0	0	3	2	0	0	5
BIOTECH PLANTS PTY. 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
Bodegas Y Vinedos Nicolas Catena SA																
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	0	0	0	5	0	0	0	5

PLANT PATENTS REPORT Page B - 29

Organizational Patenting				(Grante	ed: Jan 0	1, 1987	- Dec 31	, 2011)	R	anked Li	st of Or	ganizati	ons with	5 or 1	More Pat	cents	
	Pre																
	1998	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	TOTAL	
CHAS. KLEHM & SON																	
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	
DAI-ICHI SEED CO., LTD.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	1	0	2	0	0	0	2	5	
Patents By Year of Application:	0	0	0	0	0	0	0	1	0	2	0	0	0	2	0	5	
DELEON'S BROMELIAD WORLD, INC.																	
Patents By Year of Grant:	2	3	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	
Ditoplant Export B.V.													_			_	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	5	
ETABLISSEMENTS BARBERET ET BLANC																	
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	
FLOWERWOOD NURSERY 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	U	0	5	
GARTNERIET ROSBORG BELLINGE A/S	•	0	0	0	0	2		2	0	0	0	0	0	0	0	5	
Patents By Year of Grant: Patents By Year of Application:	0	0	0	0	0	3	1 2	0	0	0	0	0	0	0	0	5	
GEM ORNAMENTALS, INC.	Ü	Ů	Ü	Ü	Ü	3	-	Ū	Ü	Ü	Ū	Ū	Ü	Ū	Ū	J	
Patents By Year of Grant:	3	0	0	1	0	0	0	0	0	0	0	0	1	0	0	5	
Patents By Year of Application:	3	1	0	0	0	0	0	0	0	0	0	1	0	0	0	5	
Gartneriet Raahoj																	
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	0	0	0	0	5	0	0	5	
Gartneriet Tvillinge Gaarden A/S																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	5	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	2	1	2	0	5	
Gebr. Valstar Beheer BV	ŭ	·	ŭ	ŭ	·	ŭ	·	·	ŭ	·	·	-	-	-	ŭ	-	
	0	0	0	0	0	0	0	0	0	0	0	4	1	0	0	F	
Patents By Year of Grant: Patents By Year of Application:	0	0	0	0	0	0	0	0	0	3	2	4	1	0	0	5 5	
ratents by rear or application:	U	U	U	U	U	U	U	U	U	3	2	U	U	U	U	5	

Organizational Patenting				(Grante	d: Jan 0	1, 1987	- Dec 31	, 2011)	R	anked Li	st of Or	ganizati	ons with	5 or	More Pat	cents	
	Pre																
	1998	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	TOTAL	
H. DE MEYER - DE ROUCK B.V.B.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	
H. P. METZLER & SONS, INC.	_	•	•	•	•	•	•	•	•	•	•	•	•	•	•	-	
Patents By Year of Grant: Patents By Year of Application:	5 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5 5	
Patents by rear of Application:	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	
HOKUETSU NOHJI 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	
HORTICULTURE RESEARCH INTERNATIONAL	^	^	^	^	4	•	•	•	4	0	•		0	0	^	5	
Patents By Year of Grant: Patents By Year of Application:	2 2	0	0 1	0	1	0 1	0 1	0	1	0	0	1	0	0	0	5	
Pacents by rear or Application:	2	U	1	U	U	1	1	U	U	U	U	U	U	U	U	5	
J P Bartlett Co Inc																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	5	
Patents By Year of Application:	0	0	0	0	0	0	1	4	0	0	0	0	0	0	0	5	
KONINKLIJKE VAN ZANTEN B.V.	_				_		_						_		_	_	
Patents By Year of Grant:	1	0	0	3 0	1	0	0	0	0	0	0	0	0	0	0	5	
Patents By Year of Application:	1	4	0	U	U	0	0	0	0	0	0	0	0	0	0	5	
KWEKERIJ DE AMSTEL, B.V.																	
Patents By Year of Grant:	4	0	0	0	0	0	0	0	0	0	0	1	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	
Kuhne Jungpflanzen GbR Claus + Torste			•	•				•						•	_	_	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	0 5	5 0	5 5	
Patents By Year of Application:	U	U	U	U	U	U	U	U	U	U	U	U	U	5	U	5	
MEILLAND INTERNATIONAL S.A.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	1	0	0	4	0	0	0	5	
Patents By Year of Application:	0	0	0	0	0	0	1	0	0	3	1	0	0	0	0	5	
MICHIGAN STATE UNIVERSITY			•								_		•	•	_	_	
Patents By Year of Grant:	0	0	0	0	0	0	0	3 0	0	0	1	0	0 1	0	1	5 5	
Patents By Year of Application:	U	U	U	U	U	U	3	U	1	U	U	U	1	U	U	5	
MT. HOOD LILIES, 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	

					,				_					_		
Organizational Patenting				(Grante	ed: Jan 0	1, 1987	- Dec 31	, 2011)	F	Ranked Li	st of Or	ganizati	ons with	5 or	More Pat	tents
	Pre															
	1998	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	TOTAL
	1990	1990	1333	2000	2001	2002	2003	2007	2003	2000	2007	2000	2003	2010	2011	TOTAL
NAKAJIMA TENKOEN CO., LTD.																
Patents By Year of Grant:	4	0	0	1	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
racenes by rear or approaction.	J	•	•	•		•							•		•	<u> </u>
NATIONAL INSTITUTE OF AGROBIOLOGICAL	SCIENCES															
Patents By Year of Grant:	1	0	0	2	2	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	5
racenes by rear or approaches.	-	-	-	•		•							•			J
NEW WORLD PLANTS USA																
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 by rear or imperioaction.		J	J	J	J	J		J	J	J	•	•		J	J	<u> </u>
OGLEVEE ASSOCIATES, 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
racence by rear or imperioaction.		J	J	J	J	J		J	J	J	•	•		J	J	<u> </u>
OKLAHOMA STATE UNIVERSITY																
Patents By Year of Grant:	2	0	0	0	0	0	0	0	1	1	0	0	0	0	1	5
Patents By Year of Application:	2	0	0	0	0	0	1	1	0	0	0	1	0	0	0	5
ratenes by rear or apprication:		U	U	U	· ·	· ·			· ·	· ·	· ·		U	U	· ·	,
OLIJ ROSEN-B.V.																
Patents By Year of Grant:	0	2	2	1	0	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
Patents by fear OI Application:	3	2	U	U	U	U	U	U	U	U	U	U	U	U	U	5
OREGON BULB FARMS, 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
racents by rear or Application:	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	၁
OTHERT OUR MUDGEDY																
OUTENIQUA NURSERY	0	0	2	2	0	0	1	0	0	0	0	0	0	0	0	5
Patents By Year of Grant:		1	0	0	1	0	0	0	0	0	0	0	0	0	0	5 5
Patents By Year of Application:	3	1	U	U	1	U	U	U	U	U	U	U	U	U	U	5
DAN AMEDICAN CEED COMPANY A DIVICEO	ייי איני ישר זי	UOD#TC*	י גמוויי זו	70												
PAN AMERICAN SEED COMPANY, A DIVISION	OF BALL	HORTICU 0	O LTURAL (^	^	-	2	-	^	^	^	0	^	^	5
Patents By Year of Grant:	0	0	0	0	0	0 4	1 1	3 0	1 0	0	0	0 0	0	0	0 0	5 5
Patents By Year of Application:	U	U	U	U	U	4	1	U	U	U	U	U	U	U	U	5
DOMING DI ANTE D. IV																
POTHOS PLANT B.V.	^	^	^	^	^	^	5	^	^	^	^	^	0	0	^	F
Patents By Year of Grant:	0	0	0	0	0	0 5	0	0	0	0	0	0	0	0	0	5 5
Patents By Year of Application:	0	0	0	0	0	5	U	0	0	U	0	0	U	U	0	5
Plant Introductions To-																
Plant Introductions, Inc.	•	•	•		•	•	•	•	•	•	•		•		•	-
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	1	0	4	0	5
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	1	3	1	0	0	5

Organizational Patenting				(Grante	ed: Jan 0	1, 1987	- Dec 31	, 2011)	F	Ranked Li	st of Or	ganizati	ons with	5 or 1	More Pat	ents
	Pre															
	1998	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	TOTAL
REDLANDS NURSERY PTY. LTD.																
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:	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	5
ROBRICK NURSERY, INC.																
Patents By Year of Grant:	0	0	0	1	0	0	0	2	0	0	1	0	1	0	0	5
Patents By Year of Application:	0	1	0	0	0	0	2	0	1	0	0	1	0	0	0	5
ROYAL SLUIS B.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
SCOTTISH CROP RESEARCH INSTITUTE																
Patents By Year of Grant:	3	0	0	2	0	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
UNIVERSITY OF HAWAII																
Patents By Year of Grant:	2	0	0	0	0	3	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	5
UNIVERSITY OF MARYLAND																
Patents By Year of Grant:	0	0	0	0	1	1	1	0	1	0	0	1	0	0	0	5
Patents By Year of Application:	0	2	0	0	1	0	1	0	0	1	0	0	0	0	0	5
Willy's Greenhouse Ltd.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	1	0	3	0	1	5
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	1	0	3	0	1	0	5
YOVAL AGRICULTURAL PRODUCTS 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
ZESPRI GROUP LIMITED																
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	1	3	0	5
Other Organizations (736)																
Patents By Year of Grant:	355	44	37	38	39	92	54	61	53	61	63	70	66	97	70	1200
Patents By Year of Application:	441	42	49	45	57	62	61	71	68	47	75	76	74	28	4	1200