

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5404572

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	BASF SE	08/02/2018
RECEIVING PARTY DATA		
Name:	BASF AGRICULTURAL SOLUTIONS SEED US LLC	
Street Address:	26 DAVIS DRIVE	
City:	RESEARCH TRIANGLE PA	
State/Country:	NORTH CAROLINA	
Postal Code:	27709	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	14711252
CORRESPONDENCE DATA		
Fax Number:	(919)998-5701	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
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Email:	lglenn@brinksgilson.com	
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Address Line 1:	4721 EMPEROR BOULEVARD	
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Address Line 4:	DURHAM, NORTH CAROLINA 27703	
ATTORNEY DOCKET NUMBER:	16176-39	
NAME OF SUBMITTER:	AISHA R. HASAN, REG. NO.: 69,964	
SIGNATURE:	/aisha r. hasan/	
DATE SIGNED:	03/05/2019	
Total Attachments: 16		
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PATENT ASSIGNMENT AGREEMENT

This **PATENT ASSIGNMENT AGREEMENT** (the "Agreement"), dated as of August 02, 2018 (the "Effective Date"), is made by and between BASF SE (collectively, "Assignor") and BASF Agricultural Solutions Seed US LLC, ("Assignee").

WHEREAS, on the terms and subject to the conditions set forth herein, Assignor desires to sell, assign and transfer, and Assignee desires to accept the sale, assignment and transfer of, the patents and patent applications set forth in Schedule A (the "Transferred Patents"),

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

1. Assignment of Transferred Patents. Assignor hereby sells, assigns and transfers to Assignee, and Assignee hereby accepts the sale, assignment and transfer from Assignor of, all of Assignor's (a) right, title and interest in and to the Transferred Patents set forth in Schedule A, and (b) right to sue for past, present or future infringement of such Transferred Patents and to retain any damages and profits due or accrued for any such past, present or future infringement of such Transferred Patents.

2. Authorization. Assignor hereby requests and authorizes Assignee and any attorney thereof, to insert the serial number or any other identifying information pertaining to the Transferred Patents onto this Agreement deemed necessary for its recordation.

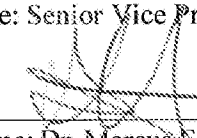
3. Governing Law. THIS AGREEMENT SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF NEW YORK WITHOUT REGARD TO PRINCIPLES OF CONFLICTS OF LAW.

4. Counterparts. This Agreement may be executed in one or more counterparts, each of which shall be deemed an original, and all of which shall constitute one and the same instrument.

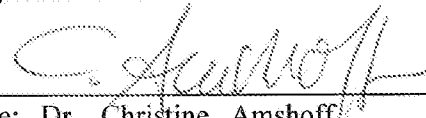
IN WITNESS WHEREOF, the Parties hereto have caused this Patent Assignment Agreement to be executed as of the date first written above.

BASF SE

By: 
Name: Dr. Andreas Popp.....
Title: Senior Vice President

By: 
Name: Dr. Marcus Ebner.....
Title: Senior Counsel

BASF Agricultural Solutions Seed US LLC

By: 
Name: Dr. Christine Amshoff.....
Title: Attorney in fact

SCHEDULE A
TRANSFERRED PATENTS

(see attached)

Transferred Patents - Elara

PATENT

128	ATHENIX CORPORATION	APA 025	GRG-8 Genes Confering Herbicide Resistance	US	11215.578	31051222	2006-01-50270	7,554,937	20090519	20260919
129	ATHENIX CORPORATION	APA 027	Cis-Acting Regulatory Elements From "Tiguanine Dicarboxides	US	11277.318	20060318	2006-02-8862	7,485,451	20090203	20260715
130	ATHENIX CORPORATION	APA 030	Identification Of A New Class Of EPSP Synthases	AR	20060101402	20030407			20090407	20260407
131	ATHENIX CORPORATION	APA 030	Identification Of A New Class Of EPSP Synthases	AU	2006235083	20030407		2006235083	20120906	20260407
132	ATHENIX CORPORATION	APA 030	Identification Of A New Class Of EPSP Synthases	CA	2,803,485	20030407		2006235083	20120906	20260407
133	ATHENIX CORPORATION	APA 030	Identification Of A New Class Of EPSP Synthases	CN	376040016320.X	20030407	CN101175880	200600016320.X	20130904	20260407
134	ATHENIX CORPORATION	APA 030	Identification Of A New Class Of EPSP Synthases	IN	376040016320.X	20030407		200600016320.X	20130904	20260407
135	ATHENIX CORPORATION	APA 030	Identification Of A New Class Of EPSP Synthases	MX	MX/9/2007/012482	20030407		200600016320.X	20130904	20260407
136	ATHENIX CORPORATION	APA 031	Identification Of A New Class Of EPSP Synthases	US	11400.588	20060407	2006-02-53821	7,700,842	20100420	20260407
137	ATHENIX CORPORATION	APA 031	AXM-031, AXM-039 and AXM-40, A Family Of Novel Delta-Endotoxin Genes And Methods For Their Use	AR	P1801-0025.18	20070614	492		20260115	20260115
138	ATHENIX CORPORATION	APA 031	AXM-031, AXM-039 and AXM-40, A Family Of Novel Delta-Endotoxin Genes And Methods For Their Use	AR	P1801-00742	20070614			20260115	20260115
139	ATHENIX CORPORATION	APA 031	AXM-031, AXM-039 and AXM-40, A Family Of Novel Delta-Endotoxin Genes And Methods For Their Use	AU	2007260115	20070614		2007260115	20130905	20260115
140	ATHENIX CORPORATION	APA 031	AXM-031, AXM-039 and AXM-40, A Family Of Novel Delta-Endotoxin Genes And Methods For Their Use	BE	07812138.9	20070614		2007260115	20121017	20260115
141	ATHENIX CORPORATION	APA 031	AXM-031, AXM-039 and AXM-40, A Family Of Novel Delta-Endotoxin Genes And Methods For Their Use	BG	07812138.9	20070614		2007260115	20121017	20260115
142	ATHENIX CORPORATION	APA 031	AXM-031, AXM-039 and AXM-40, A Family Of Novel Delta-Endotoxin Genes And Methods For Their Use	CH	07812138.9	20070614	RP112181	PI0713646-3	20121017	20260115
143	ATHENIX CORPORATION	APA 031	AXM-031, AXM-039 and AXM-40, A Family Of Novel Delta-Endotoxin Genes And Methods For Their Use	CN	200700029753.3	20070614	CN101511046	21200790029753.3	20121017	20260115
144	ATHENIX CORPORATION	APA 031	AXM-031, AXM-039 and AXM-40, A Family Of Novel Delta-Endotoxin Genes And Methods For Their Use	DE	602007008178.3	20070614	2032568	2032568	20121017	20260115
145	ATHENIX CORPORATION	APA 031	AXM-031, AXM-039 and AXM-40, A Family Of Novel Delta-Endotoxin Genes And Methods For Their Use	DK	07812138.9	20070614	2032568	2032568	20121017	20260115
146	ATHENIX CORPORATION	APA 031	AXM-031, AXM-039 and AXM-40, A Family Of Novel Delta-Endotoxin Genes And Methods For Their Use	EP	07812138.9	20070614	2032568	2032568	20121017	20260115
147	ATHENIX CORPORATION	APA 031	AXM-031, AXM-039 and AXM-40, A Family Of Novel Delta-Endotoxin Genes And Methods For Their Use	ES	07812138.9	20070614	2032568	2032568	20121017	20260115
148	ATHENIX CORPORATION	APA 031	AXM-031, AXM-039 and AXM-40, A Family Of Novel Delta-Endotoxin Genes And Methods For Their Use	FR	07812138.9	20070614	2032568	2032568	20121017	20260115
149	ATHENIX CORPORATION	APA 031	AXM-031, AXM-039 and AXM-40, A Family Of Novel Delta-Endotoxin Genes And Methods For Their Use	GB	07812138.9	20070614	2032568	2032568	20121017	20260115
150	ATHENIX CORPORATION	APA 031	AXM-031, AXM-039 and AXM-40, A Family Of Novel Delta-Endotoxin Genes And Methods For Their Use	HK	03108207.3	20070614	2032568	2032568	20121017	20260115
151	ATHENIX CORPORATION	APA 031	AXM-031, AXM-039 and AXM-40, A Family Of Novel Delta-Endotoxin Genes And Methods For Their Use	HU	07812138.9	20070614	2032568	2032568	20121017	20260115
152	ATHENIX CORPORATION	APA 031	AXM-031, AXM-039 and AXM-40, A Family Of Novel Delta-Endotoxin Genes And Methods For Their Use	IN	4872KOLNP/2008	20070614	2032568	2032568	20121017	20260115
153	ATHENIX CORPORATION	APA 031	AXM-031, AXM-039 and AXM-40, A Family Of Novel Delta-Endotoxin Genes And Methods For Their Use	IT	07812138.9	20070614	2032568	2032568	20121017	20260115
154	ATHENIX CORPORATION	APA 031	AXM-031, AXM-039 and AXM-40, A Family Of Novel Delta-Endotoxin Genes And Methods For Their Use	NL	07812138.9	20070614	2032568	2032568	20121017	20260115
155	ATHENIX CORPORATION	APA 031	AXM-031, AXM-039 and AXM-40, A Family Of Novel Delta-Endotoxin Genes And Methods For Their Use	NZ	573398	20070614	2032568	2032568	20121017	20260115
156	ATHENIX CORPORATION	APA 031	AXM-031, AXM-039 and AXM-40, A Family Of Novel Delta-Endotoxin Genes And Methods For Their Use	PL	07812138.9	20070614	2032568	2032568	20121017	20260115
157	ATHENIX CORPORATION	APA 031	AXM-031, AXM-039 and AXM-40, A Family Of Novel Delta-Endotoxin Genes And Methods For Their Use	PT	07812138.9	20070614	2032568	2032568	20121017	20260115
158	ATHENIX CORPORATION	APA 031	AXM-031, AXM-039 and AXM-40, A Family Of Novel Delta-Endotoxin Genes And Methods For Their Use	RO	07812138.9	20070614	2032568	2032568	20121017	20260115
159	ATHENIX CORPORATION	APA 031	AXM-031, AXM-039 and AXM-40, A Family Of Novel Delta-Endotoxin Genes And Methods For Their Use	TR	07812138.9	20070614	2032568	2032568	20121017	20260115
160	ATHENIX CORPORATION	APA 031	AXM-031, AXM-039 and AXM-40, A Family Of Novel Delta-Endotoxin Genes And Methods For Their Use	US	11752.885	20070614	2032568	2032568	20121017	20260115
161	ATHENIX CORPORATION	APA 031	AXM-031, AXM-039 and AXM-40, A Family Of Novel Delta-Endotoxin Genes And Methods For Their Use	US	12354.335	20060202	US2009018116A1	8,147,856	20120403	20260415
162	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	AR	P090109284	20061201	AK057205	057205	20160427	20261201
163	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	AT	6844695.5	20061201	20061201	1953510	20060626	20261201
164	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	AU	2006320318	20061201	20061201	2006320318	20060626	20261201
165	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	BE	6844695.5	20061201	20061201	1953510	20060626	20261201
166	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	BG	6844695.5	20061201	20061201	1953510	20060626	20261201
167	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	CA	2,831,466	20061201	20061201	1953510	20060626	20261201
168	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	CH	6844695.5	20061201	20061201	1953510	20060626	20261201
169	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	CN	200609032151.5	20061201	CN 101336294	CN 101336294	20060626	20261201
170	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	CZ	6844695.5	20061201	20061201	1953510	20060626	20261201
171	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	DE	6844695.5	20061201	20061201	1953510	20060626	20261201
172	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	DK	6844695.5	20061201	20061201	1953510	20060626	20261201
173	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	EE	6844695.5	20061201	20061201	1953510	20060626	20261201
174	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	EP	6844695.5	20061201	20061201	1953510	20060626	20261201
175	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	EP	6844695.5	20061201	20061201	1953510	20060626	20261201
176	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	ES	6844695.5	20061201	20061201	1953510	20060626	20261201
177	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	FI	6844695.5	20061201	20061201	1953510	20060626	20261201
178	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	FR	6844695.5	20061201	20061201	1953510	20060626	20261201
179	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	GB	6844695.5	20061201	20061201	1953510	20060626	20261201
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181	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	HR	6844695.5	20061201	20061201	1953510	20060626	20261201
182	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	HU	6844695.5	20061201	20061201	1953510	20060626	20261201
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184	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	IN	2147M/OLNP/2008	20061201	20061201	1953510	20060626	20261201
185	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	IT	6844695.5	20061201	20061201	1953510	20060626	20261201
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187	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	LU	6844695.5	20061201	20061201	1953510	20060626	20261201

188	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	LV	8844685.5	20061201	1963510	20090826	20261201
189	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	MX	8844685.5	20061201	20090826	20090826	20261201
190	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	MX	MX/2008/00006767	20061201	274596	20100316	20261201
191	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	NL	8844685.5	20061201	20090826	20090826	20261201
192	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	NZ	569433	20061201	569433	20120305	20261201
193	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	PL	8844685.5	20061201	1963510	20090826	20261201
194	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	PT	8844685.5	20061201	1963510	20090826	20261201
195	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	RO	8844685.5	20061201	1963510	20090826	20261201
196	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	RU	2008126711	20061201	P-20090511	20090826	20261201
197	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	SE	8844685.5	20061201	2393225	20100827	20261201
198	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	SI	8844685.5	20061201	1963510	20090826	20261201
199	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	SK	8844685.5	20061201	1963510	20090826	20261201
200	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	TR	8844685.5	20061201	1963510	20090826	20261201
201	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	UA	200908448	20061201	1963510	20090826	20261201
202	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	US	11605874	20061201	36822	20101125	20261201
203	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	US	17488305	20061201	7574368	20100209	20261201
204	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	US	11760502	20061201	3309332	20121113	20261201
205	ATHENIX CORPORATION	APA 034	GRG-23 Genes Confering Herbicide Resistance	US	13027586	20061201	200904596	20090826	20261201
206	ATHENIX CORPORATION	APA 035	Herbicide Resistant Glutamine Synthetases And Methods Of Use	US	13027586	20061201	200904596	20090826	20261201
207	ATHENIX CORPORATION	APA 035	Herbicide Resistant Glutamine Synthetases And Methods Of Use	US	13027586	20061201	200904596	20090826	20261201
208	ATHENIX CORPORATION	APA 036	Novel EPSP Synthase Genes Confering Herbicide Resistance	US	11760502	20061201	US20110136200	20120124	20270606
209	ATHENIX CORPORATION	APA 036	Novel EPSP Synthase Genes Confering Herbicide Resistance	AR	P070102651	20070608	9345785	20150902	20270606
210	ATHENIX CORPORATION	APA 039	AXM-037 And AXM-041 A Family Of Novel Delta-Endotoxin Genes And Methods For Their Use	EP	1619435.9	20161018	1150635		20270615
211	ATHENIX CORPORATION	APA 039	AXM-037 And AXM-041 A Family Of Novel Delta-Endotoxin Genes And Methods For Their Use	US	12168454	20110624	US20110263483A1	8320279	20270615
212	ATHENIX CORPORATION	APA 045	GRG33, GRG35 And GRG38, Novel EPSP Synthase Genes Confering Herbicide Resistance	US	11769337	20070627	2007-0300326	7960615	2010514
213	ATHENIX CORPORATION	APA 047	GRG32, A Novel EPSP Synthase Gene Confering Herbicide Resistance	US	11769337	20070627	2007-0300326	8303854	20110323
214	ATHENIX CORPORATION	APA 049	GRG-23 EPSP Synthases: Compositions And Methods Of Use	AR	P010105274	20071128	519		20271128
215	ATHENIX CORPORATION	APA 049	GRG-23 EPSP Synthases: Compositions And Methods Of Use	AU	2007347119	20071120		2007247119	20271120
216	ATHENIX CORPORATION	APA 049	GRG-23 EPSP Synthases: Compositions And Methods Of Use	BG	7873298.9	20071120		20071120	20271120
217	ATHENIX CORPORATION	APA 049	GRG-23 EPSP Synthases: Compositions And Methods Of Use	BQ	P07386725	20071120		20071120	20271120
218	ATHENIX CORPORATION	APA 049	GRG-23 EPSP Synthases: Compositions And Methods Of Use	CA	2,671,203	20071120		20071120	20271120
219	ATHENIX CORPORATION	APA 049	GRG-23 EPSP Synthases: Compositions And Methods Of Use	CN	200780949530.6	20071120	CM10160060A	2120078004693.6	20271120
220	ATHENIX CORPORATION	APA 049	GRG-23 EPSP Synthases: Compositions And Methods Of Use	DE	2012013177931	20071120	103484481 A	20130928	20271120
221	ATHENIX CORPORATION	APA 049	GRG-23 EPSP Synthases: Compositions And Methods Of Use	DN	7873298.9	20071120		20130928	20271120
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223	ATHENIX CORPORATION	APA 049	GRG-23 EPSP Synthases: Compositions And Methods Of Use	EP	7873298.9	20071120		20071120	20271120
224	ATHENIX CORPORATION	APA 049	GRG-23 EPSP Synthases: Compositions And Methods Of Use	ES	7873298.9	20071120		20071120	20271120
225	ATHENIX CORPORATION	APA 049	GRG-23 EPSP Synthases: Compositions And Methods Of Use	FI	7873298.9	20071120		20071120	20271120
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228	ATHENIX CORPORATION	APA 049	GRG-23 EPSP Synthases: Compositions And Methods Of Use	HU	7873298.9	20071120		20071120	20271120
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230	ATHENIX CORPORATION	APA 049	GRG-23 EPSP Synthases: Compositions And Methods Of Use	IT	7873298.9	20071120		20071120	20271120
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235	ATHENIX CORPORATION	APA 049	GRG-23 EPSP Synthases: Compositions And Methods Of Use	RS	7873298.9	20071120		20071120	20271120
236	ATHENIX CORPORATION	APA 049	GRG-23 EPSP Synthases: Compositions And Methods Of Use	SK	7873298.9	20071120		20071120	20271120
237	ATHENIX CORPORATION	APA 049	GRG-23 EPSP Synthases: Compositions And Methods Of Use	TR	7873298.9	20071120		20071120	20271120
238	ATHENIX CORPORATION	APA 049	GRG-23 EPSP Synthases: Compositions And Methods Of Use	US	11643301	20071121	2008-0127372	2010511	20271120
239	ATHENIX CORPORATION	APA 049	GRG-23 EPSP Synthases: Compositions And Methods Of Use	US	12/656,021	20100813	2011-0030901	7634,249	20201006
240	ATHENIX CORPORATION	APA 049	GRG-23 EPSP Synthases: Compositions And Methods Of Use	US	12/656,059	20100813	US2011025202A1	8,252,960	20201006
241	ATHENIX CORPORATION	APA 049	GRG-23 EPSP Synthases: Compositions And Methods Of Use	US	12/656,072	20100813	US2011025202A1	8,252,961	20201006
242	ATHENIX CORPORATION	APA 049	GRG-23 EPSP Synthases: Compositions And Methods Of Use	US	12/656,082	20100813	US2011025202A1	8,252,962	20201006
243	ATHENIX CORPORATION	APA 032	Synthetic Genes Encoding A CytAC	AU	2009310786	20091010		20150618	20280109
244	ATHENIX CORPORATION	APA 032	Synthetic Genes Encoding A CytAC	BR	BR1220160303871	20101009		20150618	20280109
245	ATHENIX CORPORATION	APA 052	Synthetic Genes Encoding A CytAC	CA	2707231	20081010		20150618	20280109
246	ATHENIX CORPORATION	APA 052	Synthetic Genes Encoding A CytAC	CA	2707231	20081010		20150618	20280109
247	ATHENIX CORPORATION	APA 052	Synthetic Genes Encoding A CytAC	CH	200800110055.2	20081010		20150618	20280109

248	ATHENIX CORPORATION	APA 052	Synthetic Genes Encoding A Cyt1Ac	MX	MX/A/2010/0034891	20081910	20081910	304531	20130318	20281010
249	ATHENIX CORPORATION	APA 052	Synthetic Genes Encoding A Cyt1Ac	ZA	2010002505	20081010	20081010		20110831	20281010
250	ATHENIX CORPORATION	APA 053	AXM1-066 And AXM1-076: Delta-Endotoxin Proteins And Methods For Their Use	AR	P080104500	20081016	20081016	569		20281016
251	ATHENIX CORPORATION	APA 053	AXM1-066 And AXM1-076: Delta-Endotoxin Proteins And Methods For Their Use	AU	P080104500	20081016	20081016	2000312468	20141103	20281016
252	ATHENIX CORPORATION	APA 053	AXM1-066 And AXM1-076: Delta-Endotoxin Proteins And Methods For Their Use	JP	P-081-8651-8	20081016	20081016			20281016
253	ATHENIX CORPORATION	APA 053	AXM1-066 And AXM1-076: Delta-Endotoxin Proteins And Methods For Their Use	CA	2926341	20081016	20081016	2702969	20170606	20281016
254	ATHENIX CORPORATION	APA 053	AXM1-066 And AXM1-076: Delta-Endotoxin Proteins And Methods For Their Use	CN	200800111674.1	20081016	20081016	2120088011074.1	20141013	20281016
255	ATHENIX CORPORATION	APA 053	AXM1-066 And AXM1-076: Delta-Endotoxin Proteins And Methods For Their Use	EP	17151422.5	20081016	20081016	3181570		20281016
256	ATHENIX CORPORATION	APA 053	AXM1-066 And AXM1-076: Delta-Endotoxin Proteins And Methods For Their Use	MX	MX/A/2010/004104	20081016	20081016			20281016
257	ATHENIX CORPORATION	APA 054	Synthetic AXM1-004 Delta-Endotoxin Genes And Methods For Their Use	US	121020354	20080912	20080912	2006-0809081	20110829	20281016
260	ATHENIX CORPORATION	APA 055	Directed Evolution Of GRG31 And GRG36 EPSP Synthase Enzymes	US	121020354	20080910	20080910	8,541,366	20130924	20281016
261	ATHENIX CORPORATION	APA 055	Directed Evolution Of GRG31 And GRG36 EPSP Synthase Enzymes	US	121020354	20080910	20080910	7,660,618	20110614	20281016
262	ATHENIX CORPORATION	APA 055	Directed Evolution Of GRG31 And GRG36 EPSP Synthase Enzymes	AR	P080103440	20080909	20080909	US20110223648A1	20120821	20281016
263	ATHENIX CORPORATION	APA 055	Compositions And Methods For Expression Of A Heterologous Nucleotide Sequence In Plants	AU	2009288505	20090908	20090908			20290908
264	ATHENIX CORPORATION	APA 055	Compositions And Methods For Expression Of A Heterologous Nucleotide Sequence In Plants	BR	P08108177.4	20090908	20090908	2009288505	20140424	20290908
265	ATHENIX CORPORATION	APA 055	Compositions And Methods For Expression Of A Heterologous Nucleotide Sequence In Plants	CA	2738244	20090908	20090908	2738244		20290908
266	ATHENIX CORPORATION	APA 055	Compositions And Methods For Expression Of A Heterologous Nucleotide Sequence In Plants	CN	200900134470.5	20090909	20090909	200900134470.5	20180116	20290908
267	ATHENIX CORPORATION	APA 055	Compositions And Methods For Expression Of A Heterologous Nucleotide Sequence In Plants	DE	362020023719.5	20090908	20090908	2334795	20141126	20290908
268	ATHENIX CORPORATION	APA 055	Compositions And Methods For Expression Of A Heterologous Nucleotide Sequence In Plants	EP	39792298.3	20090908	20090908	2334795	20140409	20290908
269	ATHENIX CORPORATION	APA 055	Compositions And Methods For Expression Of A Heterologous Nucleotide Sequence In Plants	ES	39792298.3	20090908	20090908	2078754	20140409	20290908
270	ATHENIX CORPORATION	APA 055	Compositions And Methods For Expression Of A Heterologous Nucleotide Sequence In Plants	FR	39792298.3	20090908	20090908	2078754	20140409	20290908
271	ATHENIX CORPORATION	APA 055	Compositions And Methods For Expression Of A Heterologous Nucleotide Sequence In Plants	HU	39792298.3	20090908	20090908	2334795	20140409	20290908
272	ATHENIX CORPORATION	APA 055	Compositions And Methods For Expression Of A Heterologous Nucleotide Sequence In Plants	IN	16150ELNP/2011	20090908	20090908	2334795	20140419	20290908
273	ATHENIX CORPORATION	APA 055	Compositions And Methods For Expression Of A Heterologous Nucleotide Sequence In Plants	MX	MX/A/2011/002477	20090908	20090908	370683	20140529	20290908
274	ATHENIX CORPORATION	APA 055	Compositions And Methods For Expression Of A Heterologous Nucleotide Sequence In Plants	RO	39792298.3	20090908	20090908	2334795	20140430	20290908
275	ATHENIX CORPORATION	APA 055	Compositions And Methods For Expression Of A Heterologous Nucleotide Sequence In Plants	TR	39792298.3	20090908	20090908	2334795	20140430	20290908
276	ATHENIX CORPORATION	APA 055	Compositions And Methods For Expression Of A Heterologous Nucleotide Sequence In Plants	US	121020354	20090908	20090908	8,426,304	20130423	20290908
277	ATHENIX CORPORATION	APA 055	Compositions And Methods For Expression Of A Heterologous Nucleotide Sequence In Plants	ZA	2011071693	20090908	20090908	2011071693	20140526	20290908
278	ATHENIX CORPORATION	APA 057	Toxin Genes And Methods For Their Use	AR	P0810102357	20090925	20090925			20290925
279	ATHENIX CORPORATION	APA 057	Toxin Genes And Methods For Their Use	AU	2009262153	20090925	20090925			20290925
280	ATHENIX CORPORATION	APA 057	Toxin Genes And Methods For Their Use	AU	201303347	20090925	20090925	201303347	20160901	20290925
281	ATHENIX CORPORATION	APA 057	Toxin Genes And Methods For Their Use	BR	P0810102357	20090925	20090925			20290925
282	ATHENIX CORPORATION	APA 057	Toxin Genes And Methods For Their Use	CA	2,728,294	20090925	20090925			20290925
283	ATHENIX CORPORATION	APA 057	Toxin Genes And Methods For Their Use	CN	200900122483.5	20090925	20090925			20290925
284	ATHENIX CORPORATION	APA 057	Toxin Genes And Methods For Their Use	CN	201510303590.X	20090925	20090925	ZL 200900122483.5	20150701	20290925
285	ATHENIX CORPORATION	APA 057	Toxin Genes And Methods For Their Use	CO	10157545	20090925	20090925			20290925
286	ATHENIX CORPORATION	APA 057	Toxin Genes And Methods For Their Use	EA	2014020248	20140319	20140319			20290925
287	ATHENIX CORPORATION	APA 057	Toxin Genes And Methods For Their Use	EP	14153300.5	20090925	20090925	2727933		20290925
288	ATHENIX CORPORATION	APA 057	Toxin Genes And Methods For Their Use	ID	W06201004305	20090925	20090925	IDP0004269	20171918	20290925
289	ATHENIX CORPORATION	APA 057	Toxin Genes And Methods For Their Use	IN	83730ELNP/2010	20090925	20090925			20290925
290	ATHENIX CORPORATION	APA 057	Toxin Genes And Methods For Their Use	MX	MX/A/2010/0013910	20090925	20090925	314448	20131161	20290925
291	ATHENIX CORPORATION	APA 057	Toxin Genes And Methods For Their Use	MX	W06201004305	20090925	20090925	351227	20170904	20290925
292	ATHENIX CORPORATION	APA 057	Toxin Genes And Methods For Their Use	NZ	588991	20090925	20090925	588991	20130104	20290925
293	ATHENIX CORPORATION	APA 057	Toxin Genes And Methods For Their Use	NZ	602382	20090925	20090925	602382	20140930	20290925
294	ATHENIX CORPORATION	APA 057	Toxin Genes And Methods For Their Use	PH	1-2014-502830	20090925	20090925	170710402330	20140930	20290925
295	ATHENIX CORPORATION	APA 057	Toxin Genes And Methods For Their Use	PH	1-2014-500608	20090925	20090925	170710402330	20140930	20290925
296	ATHENIX CORPORATION	APA 057	Toxin Genes And Methods For Their Use	UA	201915122	20090925	20090925	170710402330	20140930	20290925
297	ATHENIX CORPORATION	APA 057	Toxin Genes And Methods For Their Use	UA	2014 02091	20090925	20090925	170710402330	20140930	20290925
298	ATHENIX CORPORATION	APA 057	Toxin Genes And Methods For Their Use	US	12491,396	20090925	20090925	846,421	20130611	20290925
299	ATHENIX CORPORATION	APA 057	Toxin Genes And Methods For Their Use	US	13,093,763	20090925	20090925	9556255	20130611	20290925
300	ATHENIX CORPORATION	APA 057	Toxin Genes And Methods For Their Use	US	15,984,561	20090925	20090925	9556255	20130611	20290925
301	ATHENIX CORPORATION	APA 057	Toxin Genes And Methods For Their Use	ZA	2010060945	20090925	20090925	2010060945	20130611	20290925
302	ATHENIX CORPORATION	APA 057	Toxin Genes And Methods For Their Use	AM	201071312	20090925	20090925	2010060945	20130611	20290925
303	ATHENIX CORPORATION	APA 057	Toxin Genes And Methods For Their Use	AZ	201071312	20090925	20090925	2010060945	20130611	20290925
304	ATHENIX CORPORATION	APA 057	Toxin Genes And Methods For Their Use	BY	201071312	20090925	20090925	2010060945	20130611	20290925
305	ATHENIX CORPORATION	APA 057	Toxin Genes And Methods For Their Use	KG	201071312	20090925	20090925	2010060945	20130611	20290925
306	ATHENIX CORPORATION	APA 057	Toxin Genes And Methods For Their Use	KZ	201071312	20090925	20090925	2010060945	20130611	20290925
307	ATHENIX CORPORATION	APA 057	Toxin Genes And Methods For Their Use	MD	201071312	20090925	20090925	2010060945	20130611	20290925

368	ATHENIX CORPORATION	APA 063	Variant AXMR1 Delta-Endotoxin Gene And Methods For Its Use	CN	201008031182.7	20100205	231050011962.7	20141210	20300205
369	ATHENIX CORPORATION	APA 063	Variant AXMR1 Delta-Endotoxin Gene And Methods For Its Use	EA	201171006	20100205			20300205
370	ATHENIX CORPORATION	APA 063	Variant AXMR1 Delta-Endotoxin Gene And Methods For Its Use	HU	14153191.0	20100205	2728007	20170125	20300205
371	ATHENIX CORPORATION	APA 063	Variant AXMR1 Delta-Endotoxin Gene And Methods For Its Use	ID	WP/2001/102793	20100205			20300205
372	ATHENIX CORPORATION	APA 063	Variant AXMR1 Delta-Endotoxin Gene And Methods For Its Use	IN	86/DEL/NP/2011	20100205			20300205
373	ATHENIX CORPORATION	APA 063	Variant AXMR1 Delta-Endotoxin Gene And Methods For Its Use	JP	2011-549274	20100205	6009185	20160823	20300205
374	ATHENIX CORPORATION	APA 063	Variant AXMR1 Delta-Endotoxin Gene And Methods For Its Use	MX	MX/2011/008246	20100205	320830	20140605	20300205
375	ATHENIX CORPORATION	APA 063	Variant AXMR1 Delta-Endotoxin Gene And Methods For Its Use	PH	1-2011-015170	20100205			20300205
376	ATHENIX CORPORATION	APA 063	Variant AXMR1 Delta-Endotoxin Gene And Methods For Its Use	RO	14153191.0	20100205	2728007	20170125	20300205
377	ATHENIX CORPORATION	APA 063	Variant AXMR1 Delta-Endotoxin Gene And Methods For Its Use	UA	20110568	20100205	108197	20150410	20300205
378	ATHENIX CORPORATION	APA 063	Variant AXMR1 Delta-Endotoxin Gene And Methods For Its Use	US	12/701,068	20100205	82502.7	20121030	20300205
379	ATHENIX CORPORATION	APA 063	Variant AXMR1 Delta-Endotoxin Gene And Methods For Its Use	US	12/701,068	20100205	US-2010-0191592	20130529	20300205
380	ATHENIX CORPORATION	APA 064	Methods And Compositions For Controlling Plant Pests	ZA	201105549	20100305	201105749	20130529	20300205
381	ATHENIX CORPORATION	APA 064	Methods And Compositions For Controlling Plant Pests	US	12/716,059	20100305	7,619,272	20111213	20300305
382	ATHENIX CORPORATION	APA 064	Methods And Compositions For Controlling Plant Pests	US	13/027,816	20110215	8,076,533	20111213	20300305
383	ATHENIX CORPORATION	APA 065	AXMR-205 Pesticidal Gene And Methods For Its Use	US	13/021,190	20111121	8,440,882	20130514	20300305
384	ATHENIX CORPORATION	APA 065	AXMR-205 Pesticidal Gene And Methods For Its Use	AR	P100102357	20100701			20300701
385	ATHENIX CORPORATION	APA 065	AXMR-205 Pesticidal Gene And Methods For Its Use	BR	BR112012000308	20100701			20300701
386	ATHENIX CORPORATION	APA 065	AXMR-205 Pesticidal Gene And Methods For Its Use	CA	2766300	20100701			20300701
387	ATHENIX CORPORATION	APA 065	AXMR-205 Pesticidal Gene And Methods For Its Use	CN	201008031182.7	20100701	10264628.18	20176485	20300701
388	ATHENIX CORPORATION	APA 065	AXMR-205 Pesticidal Gene And Methods For Its Use	DE	10/32515.5	20100701	802610038784.9	20160928	20300701
389	ATHENIX CORPORATION	APA 065	AXMR-205 Pesticidal Gene And Methods For Its Use	EP	10/32515.5	20100701	2449109	20160928	20300701
390	ATHENIX CORPORATION	APA 065	AXMR-205 Pesticidal Gene And Methods For Its Use	ES	10/32515.5	20100701	2449109	20160928	20300701
391	ATHENIX CORPORATION	APA 065	AXMR-205 Pesticidal Gene And Methods For Its Use	FR	10/32515.5	20100701	2449109	20160928	20300701
392	ATHENIX CORPORATION	APA 065	AXMR-205 Pesticidal Gene And Methods For Its Use	GB	2012001732	20100701	2449109	20160928	20300701
393	ATHENIX CORPORATION	APA 065	AXMR-205 Pesticidal Gene And Methods For Its Use	HU	10/32515.5	20100701	2449109	20160928	20300701
394	ATHENIX CORPORATION	APA 065	AXMR-205 Pesticidal Gene And Methods For Its Use	IN	14/DEL/NP/2012	20100701	2449109	20160928	20300701
395	ATHENIX CORPORATION	APA 065	AXMR-205 Pesticidal Gene And Methods For Its Use	IT	10/32515.5	20100701	2449109	20160928	20300701
396	ATHENIX CORPORATION	APA 065	AXMR-205 Pesticidal Gene And Methods For Its Use	MX	MX/2012/000202	20100701	323392	20140805	20300701
397	ATHENIX CORPORATION	APA 065	AXMR-205 Pesticidal Gene And Methods For Its Use	MX	MX/2012/0010571	20100701	346215	20170310	20300701
398	ATHENIX CORPORATION	APA 065	AXMR-205 Pesticidal Gene And Methods For Its Use	PL	10/32515.5	20100701	2449109	20160928	20300701
399	ATHENIX CORPORATION	APA 065	AXMR-205 Pesticidal Gene And Methods For Its Use	RO	10/32515.5	20100701	2449109	20160928	20300701
400	ATHENIX CORPORATION	APA 065	AXMR-205 Pesticidal Gene And Methods For Its Use	RS	10/32515.5	20100701	55560	20160928	20300701
401	ATHENIX CORPORATION	APA 065	AXMR-205 Pesticidal Gene And Methods For Its Use	TR	10/32515.5	20100701	105048	20140109	20300701
402	ATHENIX CORPORATION	APA 065	AXMR-205 Pesticidal Gene And Methods For Its Use	UA	201200782	20100701	N/A	20141004	20300701
403	ATHENIX CORPORATION	APA 065	AXMR-205 Pesticidal Gene And Methods For Its Use	US	12/828,594	20100701	8,574,25	20131105	20310317
404	ATHENIX CORPORATION	APA 065	AXMR-205 Pesticidal Gene And Methods For Its Use	US	14/057,250	20131613	9200487	20151229	20310317
405	ATHENIX CORPORATION	APA 065	AXMR-205 Pesticidal Gene And Methods For Its Use	ZA	201200161	20100701	9211853	20151229	20310317
406	ATHENIX CORPORATION	APA 065	AXMR-205 Pesticidal Gene And Methods For Its Use	AR	P100102357	20100701	201200161	20150128	20300701
407	ATHENIX CORPORATION	APA 067	AXMR-192 Family of Pesticidal Genes and Methods for Their Use	AU	2010278943	20100730	2010278943	20160901	20300730
408	ATHENIX CORPORATION	APA 067	AXMR-192 Family of Pesticidal Genes and Methods for Their Use	AU	201305250	20130410	201305250	20160901	20300730
409	ATHENIX CORPORATION	APA 067	AXMR-192 Family of Pesticidal Genes and Methods for Their Use	AU	201305250	20130410	201305250	20160901	20300730
410	ATHENIX CORPORATION	APA 067	AXMR-192 Family of Pesticidal Genes and Methods for Their Use	BR	BR112012002275-0	20100730	2013213694	20180201	20300730
411	ATHENIX CORPORATION	APA 067	AXMR-192 Family of Pesticidal Genes and Methods for Their Use	CA	2,769,643	20100730			20300730
412	ATHENIX CORPORATION	APA 067	AXMR-192 Family of Pesticidal Genes and Methods for Their Use	CN	201080043772.3	20100730	21201080043772.3	20180424	20300730
413	ATHENIX CORPORATION	APA 067	AXMR-192 Family of Pesticidal Genes and Methods for Their Use	CN	201080043772.3	20100730			20300730
414	ATHENIX CORPORATION	APA 067	AXMR-192 Family of Pesticidal Genes and Methods for Their Use	CE	PC/TUS/04/3871	20100730	2459587	20160316	20300730
415	ATHENIX CORPORATION	APA 067	AXMR-192 Family of Pesticidal Genes and Methods for Their Use	EA	20120019926	20100730	2459587	20160316	20300730
416	ATHENIX CORPORATION	APA 067	AXMR-192 Family of Pesticidal Genes and Methods for Their Use	EP	10739806.3	20100730	2459587	20160316	20300730
417	ATHENIX CORPORATION	APA 067	AXMR-192 Family of Pesticidal Genes and Methods for Their Use	FR	PC/TUS/04/3871	20100730	2459587	20160316	20300730
418	ATHENIX CORPORATION	APA 067	AXMR-192 Family of Pesticidal Genes and Methods for Their Use	GB	PC/TUS/04/3871	20100730	2459587	20160316	20300730
419	ATHENIX CORPORATION	APA 067	AXMR-192 Family of Pesticidal Genes and Methods for Their Use	IN	1160/DEL/NP/2012	20100730			20300730
420	ATHENIX CORPORATION	APA 067	AXMR-192 Family of Pesticidal Genes and Methods for Their Use	IT	PC/TUS/04/3871	20100730	2459587	20160316	20300730
421	ATHENIX CORPORATION	APA 067	AXMR-192 Family of Pesticidal Genes and Methods for Their Use	MX	MX/2012/001428	20100730	322968	20140718	20300730
422	ATHENIX CORPORATION	APA 067	AXMR-192 Family of Pesticidal Genes and Methods for Their Use	NX	MX/2014/000593	20100730			20300730
423	ATHENIX CORPORATION	APA 067	AXMR-192 Family of Pesticidal Genes and Methods for Their Use	PK	874/2010	20100730			20300730
424	ATHENIX CORPORATION	APA 067	AXMR-192 Family of Pesticidal Genes and Methods for Their Use	TH	1201002999	20100730			20300730
425	ATHENIX CORPORATION	APA 067	AXMR-192 Family of Pesticidal Genes and Methods for Their Use	US	12/860,900	20100730	8481415	20130611	20310406
426	ATHENIX CORPORATION	APA 067	AXMR-192 Family of Pesticidal Genes and Methods for Their Use	ZA	201200723	20100730	201200723	20140326	20300730

666	ATHENIX CORPORATION	APAT13-6054	AXM177, AXM182, AXM186 AND AXM185 TOXIN GENES AND METHODS FOR THEIR USE	ID	P0201604249	20141208	201706749	20141208	20141208
667	ATHENIX CORPORATION	APAT13-6054	AXM177, AXM182, AXM186 AND AXM185 TOXIN GENES AND METHODS FOR THEIR USE	IN	201637017009	20141208		20141208	20141208
668	ATHENIX CORPORATION	APAT13-6054	AXM177, AXM182, AXM186 AND AXM185 TOXIN GENES AND METHODS FOR THEIR USE	JP	PCT/US2014/08909	20141208		20141208	20141208
669	ATHENIX CORPORATION	APAT13-6054	AXM177, AXM182, AXM186 AND AXM185 TOXIN GENES AND METHODS FOR THEIR USE	KR	PCT/US2014/08909	20141208		20141208	20141208
670	ATHENIX CORPORATION	APAT13-6054	AXM177, AXM182, AXM186 AND AXM185 TOXIN GENES AND METHODS FOR THEIR USE	MX	PCT/US2014/08909	20141208		20141208	20141208
671	ATHENIX CORPORATION	APAT13-6054	AXM177, AXM182, AXM186 AND AXM185 TOXIN GENES AND METHODS FOR THEIR USE	PY	549242014	20141208		20141208	20141208
672	ATHENIX CORPORATION	APAT13-6054	AXM177, AXM182, AXM186 AND AXM185 TOXIN GENES AND METHODS FOR THEIR USE	UA	a 2016 07471	20141208		20141208	20141208
673	ATHENIX CORPORATION	APAT13-6054	AXM177, AXM182, AXM186 AND AXM185 TOXIN GENES AND METHODS FOR THEIR USE	US	15102765	20141208	US20160311665	20141208	20141208
674	ATHENIX CORPORATION	APAT13-6054	AXM177, AXM182, AXM186 AND AXM185 TOXIN GENES AND METHODS FOR THEIR USE	UY	35.866	20141208		20141208	20141208
675	ATHENIX CORPORATION	APAT13-6054	AXM177, AXM182, AXM186 AND AXM185 TOXIN GENES AND METHODS FOR THEIR USE	ZA	2016/03471	20141208		20141208	20141208
676	BAYER CROPSCIENCE AKTIENGESELLSCHAFT	APAT14-5008	HPD0 VARIANTS AND METHODS OF USE	AR		20150311		20150311	20150311
677	BAYER CROPSCIENCE AKTIENGESELLSCHAFT	APAT14-5008	HPD0 VARIANTS AND METHODS OF USE	BO	SP-0033-2015	20150311		20150311	20150311
678	BAYER CROPSCIENCE AKTIENGESELLSCHAFT	APAT14-5008	HPD0 VARIANTS AND METHODS OF USE	PY	111682015	20150311	193	20150311	20150311
679	BAYER CROPSCIENCE AKTIENGESELLSCHAFT	APAT14-5008	HPD0 VARIANTS AND METHODS OF USE	UY	36.026	20150311		20150311	20150311
680	Bayer CropScience LP	APAT14-5008	HPD0 VARIANTS AND METHODS OF USE	ER	112016020887	20150310		20150310	20150310
681	Bayer CropScience LP	APAT14-5008	HPD0 VARIANTS AND METHODS OF USE	CA	2942.71	20150310		20150310	20150310
682	Bayer CropScience LP	APAT14-5008	HPD0 VARIANTS AND METHODS OF USE	CN	20156016204.2	20150310	CN106450986A	20150310	20150310
683	Bayer CropScience LP	APAT14-5008	HPD0 VARIANTS AND METHODS OF USE	EP	15729881.1	20150310		20150310	20150310
684	Bayer CropScience LP	APAT14-5008	HPD0 VARIANTS AND METHODS OF USE	IN	201637030432	20150310		20150310	20150310
685	Bayer CropScience LP	APAT14-5008	HPD0 VARIANTS AND METHODS OF USE	MX	MX/62/2016/01745	20150310		20150310	20150310
686	Bayer CropScience LP	APAT14-5008	HPD0 VARIANTS AND METHODS OF USE	US	15122532	20150310	US-2017-0196918-A1	20150310	20150310
687	Bayer CropScience LP	APAT14-5008	HPD0 VARIANTS AND METHODS OF USE	ZA	2015006243	20150310		20150310	20150310
688	Bayer CropScience LP, Cornell University	APAT15-6005	ITAL EFFECTOR-MEDIATED HERBICIDE TOLERANCE	AR	2017/0101025	20170421		20170421	20170421
689	Bayer CropScience LP, Cornell University	APAT15-6005	ITAL EFFECTOR-MEDIATED HERBICIDE TOLERANCE	BO	SPK03086-2017	20170421		20170421	20170421
690	Bayer CropScience LP, Cornell University	APAT15-6005	ITAL EFFECTOR-MEDIATED HERBICIDE TOLERANCE	PY	1723802	20170421		20170421	20170421
691	Bayer CropScience LP, Cornell University	APAT15-6005	ITAL EFFECTOR-MEDIATED HERBICIDE TOLERANCE	UY	37.208	20170421		20170421	20170421
692	Bayer CropScience LP, Cornell University	APAT15-6005	ITAL EFFECTOR-MEDIATED HERBICIDE TOLERANCE	WO	PCT/US2017/24357	20170419		20170419	20170419
693	Bayer CropScience AG, Bayer CropScience LP	APAT15-6006	Axm154 Delta-endotoxin Gene and Methods for its Use	AR	20160103152	20161014		20161014	20161014
694	Bayer CropScience AG, Bayer CropScience LP	APAT15-6006	Axm154 Delta-endotoxin Gene and Methods for its Use	AU	2016338418	20161013		20161013	20161013
695	Bayer CropScience AG, Bayer CropScience LP	APAT15-6006	Axm154 Delta-endotoxin Gene and Methods for its Use	BO	253220.6	20161013		20161013	20161013
696	Bayer CropScience AG, Bayer CropScience LP	APAT15-6006	Axm154 Delta-endotoxin Gene and Methods for its Use	BR	SP00238-2016	20161014	12134	20161014	20161014
697	Bayer CropScience AG, Bayer CropScience LP	APAT15-6006	Axm154 Delta-endotoxin Gene and Methods for its Use	CA	3001123	20161013		20161013	20161013
698	Bayer CropScience AG, Bayer CropScience LP	APAT15-6006	Axm154 Delta-endotoxin Gene and Methods for its Use	CN	20160035990.5	20161013		20161013	20161013
699	Bayer CropScience AG, Bayer CropScience LP	APAT15-6006	Axm154 Delta-endotoxin Gene and Methods for its Use	EP	16785696.5	20161013		20161013	20161013
700	Bayer CropScience AG, Bayer CropScience LP	APAT15-6006	Axm154 Delta-endotoxin Gene and Methods for its Use	IN	201817011588	20161013		20161013	20161013
701	Bayer CropScience AG, Bayer CropScience LP	APAT15-6006	Axm154 Delta-endotoxin Gene and Methods for its Use	JP	PCT/US19/06898	20161013		20161013	20161013
702	Bayer CropScience AG, Bayer CropScience LP	APAT15-6006	Axm154 Delta-endotoxin Gene and Methods for its Use	MX	MX/2016/004588	20161013		20161013	20161013
703	Bayer CropScience AG, Bayer CropScience LP	APAT15-6006	Axm154 Delta-endotoxin Gene and Methods for its Use	PK	6272016	20161013		20161013	20161013
704	Bayer CropScience AG, Bayer CropScience LP	APAT15-6006	Axm154 Delta-endotoxin Gene and Methods for its Use	PY	669952016	20161014		20161014	20161014
705	Bayer CropScience AG, Bayer CropScience LP	APAT15-6006	Axm154 Delta-endotoxin Gene and Methods for its Use	RU	2018117300	20161013		20161013	20161013
706	Bayer CropScience AG, Bayer CropScience LP	APAT15-6006	Axm154 Delta-endotoxin Gene and Methods for its Use	UA	a201.603154	20161013		20161013	20161013
707	Bayer CropScience AG, Bayer CropScience LP	APAT15-6006	Axm154 Delta-endotoxin Gene and Methods for its Use	US	15788237	20161013		20161013	20161013
708	Bayer CropScience AG, Bayer CropScience LP	APAT15-6006	Axm154 Delta-endotoxin Gene and Methods for its Use	UY	a209851	20161014		20161014	20161014
709	Bayer CropScience AG, Bayer CropScience LP	APAT15-6006	Axm154 Delta-endotoxin Gene and Methods for its Use	WO	PCT/US19/06898	20161013		20161013	20161013
710	Bayer CropScience AG, Bayer CropScience LP	APAT15-6006	Axm154 Delta-endotoxin Gene and Methods for its Use	ZA	2018/03096	20161013		20161013	20161013
711	Bayer CropScience AG, Bayer CropScience LP	APAT15-6006	Axm154 Delta-endotoxin Gene and Methods for its Use	AR	2017/0103241	20171122		20171122	20171122
712	Bayer CropScience LP	APAT15-6008	Axm169 Toxin Gene and Methods for its Use	PY	1789271	20171122		20171122	20171122
713	Bayer CropScience LP	APAT15-6008	Axm169 Toxin Gene and Methods for its Use	WO	PCT/US17/03923	20171122		20171122	20171122
714	Bayer CropScience LP	APAT15-6013	Improvement of herbicide tolerance to HPD0 inhibitors by down-regulation of putative hydroxyphenylpyruvate reductases in soybean	US	62576554	20171024		20171024	20171024
715	Bayer CropScience LP	APAT15-6014	Improvement of herbicide tolerance to HPD0 inhibitors by down-regulation of native HPD0 in crops	US	62576559	20171024		20171024	20171024
716	Bayer CropScience LP	APAT16-6020	Use of Axm163 for the control of nematodes	WO	PCT/US17/06070	20171222		20171222	20171222
717	Bayer CropScience LP	APAT17-6001	BP003 TOXIN GENE AND METHODS FOR ITS USE	AR	2018/010121	20180118		20180118	20180118
718	Bayer CropScience LP	APAT17-6001	BP003 TOXIN GENE AND METHODS FOR ITS USE	PY	1802482	20180118		20180118	20180118
719	Bayer CropScience LP	APAT17-6001	BP003 TOXIN GENE AND METHODS FOR ITS USE	UY	37571	20180118		20180118	20180118
720	Bayer CropScience LP	APAT17-6001	BP003 TOXIN GENE AND METHODS FOR ITS USE	WO	PCT/US18/14192	20180118		20180118	20180118
721	Bayer CropScience LP	APAT17-6001	Use of BP005 for the control of plant pathogens	AR	2018/0100120	20180118		20180118	20180118
722	Bayer CropScience LP	APAT17-6002	Use of BP005 for the control of plant pathogens	PY	1802480	20180118		20180118	20180118
723	Bayer CropScience LP	APAT17-6002	Use of BP005 for the control of plant pathogens	UY	37570	20180118		20180118	20180118
724	Bayer CropScience LP	APAT17-6002	Use of BP005 for the control of plant pathogens	WO		20180118		20180118	20180118

1514	BAYER CROPSOURCE AKTIENGESELLSCHAFT	BCS11036	HPD Mutanten und deren Verwendung zur Erzeugung HPD-Inhibitor toleranter Pflanzen	KR	110-2019-1009716	20160908			20360908
1515	BAYER CROPSOURCE AKTIENGESELLSCHAFT	BCS11036	HPD Mutanten und deren Verwendung zur Erzeugung HPD-Inhibitor toleranter Pflanzen	MX	4174/01/201603044	20160908			20360908
1516	BAYER CROPSOURCE AKTIENGESELLSCHAFT	BCS11036	HPD Mutanten und deren Verwendung zur Erzeugung HPD-Inhibitor toleranter Pflanzen	PY	5616/72016	20160908			20360909
1517	BAYER CROPSOURCE AKTIENGESELLSCHAFT	BCS11036	HPD Mutanten und deren Verwendung zur Erzeugung HPD-Inhibitor toleranter Pflanzen	UA	a201603075	20160908			20360908
1518	BAYER CROPSOURCE AKTIENGESELLSCHAFT	BCS11036	HPD Mutanten und deren Verwendung zur Erzeugung HPD-Inhibitor toleranter Pflanzen	US	157758429	20160908			20360908
1519	BAYER CROPSOURCE AKTIENGESELLSCHAFT	BCS11036	HPD Mutanten und deren Verwendung zur Erzeugung HPD-Inhibitor toleranter Pflanzen	UY	38.888	20160908			20360909
1520	BAYER CROPSOURCE AKTIENGESELLSCHAFT	BCS11036	HPD Mutanten und deren Verwendung zur Erzeugung HPD-Inhibitor toleranter Pflanzen	WO	PCT/EP2016071159	20160908			20360908
1521	BAYER CROPSOURCE AKTIENGESELLSCHAFT	BCS11036	HPD Mutanten und deren Verwendung zur Erzeugung HPD-Inhibitor toleranter Pflanzen	ZA	2016/02329	20160908			20360908
1582	BAYER CROPSOURCE AKTIENGESELLSCHAFT	BCS171005	HPD VARIANTS AND METHODS OF USE	AR	20180100526	20160307			20360307
1583	BAYER CROPSOURCE AKTIENGESELLSCHAFT	BCS171005	HPD VARIANTS AND METHODS OF USE	BO	SP46-2018	20160307			20360307
1584	BAYER CROPSOURCE AKTIENGESELLSCHAFT	BCS171005	HPD VARIANTS AND METHODS OF USE	PY	1615442	20160307			20360307
1585	BAYER CROPSOURCE AKTIENGESELLSCHAFT	BCS171005	HPD VARIANTS AND METHODS OF USE	UY	37627	20160307			20360307
1586	BAYER CROPSOURCE AKTIENGESELLSCHAFT	BCS171005	HPD VARIANTS AND METHODS OF USE	WO	PCT/EP2016055101	20160301			20360301
1587	BAYER CROPSOURCE AKTIENGESELLSCHAFT	BCS171005	HPD VARIANTS AND METHODS OF USE	AK	20160100525	20160307			20360307
1588	BAYER CROPSOURCE AG, Bayer CropScience	BCS171006	HPD VARIANTS AND METHODS OF USE	BO	SP47-2018	20160307			20360307
1589	BAYER CROPSOURCE AG, Bayer CropScience	BCS171006	HPD VARIANTS AND METHODS OF USE	PY	1615431	20160307			20360307
1590	BAYER CROPSOURCE AG, Bayer CropScience	BCS171006	HPD VARIANTS AND METHODS OF USE	UY	37626	20160307			20360307
1591	BAYER CROPSOURCE AG, Bayer CropScience	BCS171006	HPD VARIANTS AND METHODS OF USE	WO	PCT/EP2016055102	20160301			20360301
1592	BAYER CROPSOURCE LP (BCS LP)	BCS17406	Fungal rust-inducible promoter	EP	17172866.8	20170524			20370524
1593	BAYER CROPSOURCE LP (BCS LP), CNRS CE	BCS17406	Fungal rust-inducible promoter	AR	20180101241	20160511			20360511
1594	BAYER CROPSOURCE LP (BCS LP), CNRS CE	BCS17406	Fungal rust-inducible promoter	BO	SP114-2018	20160511			20360511
1595	BAYER CROPSOURCE LP (BCS LP), CNRS CE	BCS17406	Fungal rust-inducible promoter	PY	1634445	20160511			20360511
1596	BAYER CROPSOURCE LP (BCS LP), CNRS CE	BCS17406	Fungal rust-inducible promoter	UY	37733	20160511			20360511
1597	BAYER CROPSOURCE LP (BCS LP), CNRS CE	BCS17406	Fungal rust-inducible promoter	WO	PCT/US16/02230	20160511			20360511
1598	Bayer CropScience LP	APA13-6006	Heritable Tolerant Plants Expressing a Cytoplasmic Phospholipase B2-Like Phospholipase	US	62691029	20160229			20160229
1971	ATHENIX CORPORATION	APA13-6001	USE OF AXM164 FOR THE CONTROL OF ROOTWORM INSECTS	ES	14707688.5	20140212	2956547		20140212
1973	ATHENIX CORPORATION	APA13-6001	USE OF AXM164 FOR THE CONTROL OF ROOTWORM INSECTS	FR	14707688.5	20140212	2956547		20140212
1979	ATHENIX CORPORATION	APA13-6001	USE OF AXM164 FOR THE CONTROL OF ROOTWORM INSECTS	HU	14707688.5	20140212	2956547		20140212
1980	ATHENIX CORPORATION	APA13-6001	Compositions And Methods For Expression Of A Heterologous Nucleotide Sequence In Plants	IT	09792258.3	20060908	50201450227867		20140908
1983	ATHENIX CORPORATION	APA13-6001	USE OF AXM164 FOR THE CONTROL OF ROOTWORM INSECTS	RO	14707688.5	20140212	2956547		20140212
1987	ATHENIX CORPORATION	APA13-6001	USE OF AXM164 FOR THE CONTROL OF ROOTWORM INSECTS	CA	14707688.5	20140212	2956547		20140212
1997	ATHENIX CORPORATION	APA13-6001	Use of AXM164 for the control of rootworm insects	US	5065307	20160307			20160307
1998	ATHENIX CORPORATION	APA17-8010	MicroRNA plants designed for high-yielded screening of pest-resistance genes	US	62690860	20171127			20171127

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