

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM463029

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	SECURITY INTEREST		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
DYNAVAX TECHNOLOGIES CORPORATION		02/20/2018	Corporation: DELAWARE
RECEIVING PARTY DATA			
Name:	CRG SERVICING LLC, AS ADMINISTRATIVE AGENT		
Street Address:	1000 MAIN STREET		
Internal Address:	SUITE 2500		
City:	HOUSTON		
State/Country:	TEXAS		
Postal Code:	77002		
Entity Type:	Limited Liability Company: DELAWARE		
PROPERTY NUMBERS Total: 5			
Property Type	Number	Word Mark	
Registration Number:	3366555	DYNAVAX	
Registration Number:	3307735	DYNAVAX	
Registration Number:	5151687	DYNAVAX INNOVATING IMMUNOLOGY	
Registration Number:	3795025	HEPLISAV	
Serial Number:	87145972	HEPLISAV-B	
CORRESPONDENCE DATA			
Fax Number:	215851420		
<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>			
Phone:	215-851-8100		
Email:	phlipdocketing@reedsmith.com		
Correspondent Name:	MATTHEW P. FREDERICK, REED SMITH LLP		
Address Line 1:	1717 ARCH STREET, THREE LOGAN SQUARE		
Address Line 2:	SUITE 3100		
Address Line 4:	PHILADELPHIA, PENNSYLVANIA 19103		
NAME OF SUBMITTER:	MATTHEW P. FREDERICK		
SIGNATURE:	/Matthew P. Frederick/		
DATE SIGNED:	02/22/2018		

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Total Attachments: 27

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PATENT AND TRADEMARK SECURITY AGREEMENT

WHEREAS, DYNAVAX TECHNOLOGIES CORPORATION, a Delaware corporation (“**Grantor**”), is party to that certain Security Agreement, dated as of February 20, 2018 (as amended, restated, supplemented or otherwise modified from time to time, the “**Security Agreement**”; capitalized terms used herein without definition shall have the meanings set forth in the Security Agreement), among Grantor, the Subsidiary Guarantors party thereto, and CRG SERVICING LLC, a Delaware limited liability company, as administrative agent and collateral agent for the Lenders (in such capacities, together with its successors and assigns, “**Administrative Agent**”) together with the Lenders, the “**Secured Parties**” and each, a “**Secured Party**”), pursuant to which Grantor has granted in favor of Secured Parties a lien on all of its personal property, including without limitation the patents and patent applications listed on **Schedule A** hereto, and the trademarks and trademark applications listed on the **Schedule B** hereto; and

WHEREAS, it is a condition to the advance of the loans and other obligations secured by the Security Agreement, that Grantor execute and deliver, and cause to be filed in the U.S. Patent and Trademark Office, this Patent and Trademark Security Agreement;

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

As collateral security for the payment in full when due (whether at stated maturity, by acceleration or otherwise) of the Secured Obligations, Grantor hereby pledges and grants to the Secured Parties a security interest in all of Grantor’s right, title and interest in, to and under all of the following, as collateral security for the prompt and complete payment and performance when due of all the Secured Obligations (as defined in the Security Agreement):

(i) all patents and patent applications, in each case whether now owned by Grantor or hereafter acquired and whether now existing or hereafter coming into existence, including without limitation those listed on **Schedule A** hereto, and all related patents and applications thereto, including all reissuances, continuations, continuations-in-part, revisions, extensions, re-examinations thereof, any patents and patent applications claiming priority to said patents and patent applications or from which said patents and patent applications claim priority, and pending applications associated therewith; and

(ii) all of the trademarks, whether now owned or at any time hereafter acquired, of Grantor that are registered with, or for which applications for registration have been filed with, the United States Patent and Trademark Office, including the trademarks listed on **Schedule B** hereto, and all registrations and pending applications associated therewith (excluding any application for registration of a trademark filed on an intent-to-use basis solely to the extent that the grant of a security interest in any such trademark application would materially adversely affect the validity or enforceability of the resulting trademark registration or result in cancellation of such trademark application).

Notwithstanding the foregoing, in the event of any conflict between this Patent and Trademark Security Agreement and the Security Agreement, the Security Agreement shall control.

This Patent and Trademark Security Agreement and the rights and obligations of the parties hereunder shall be governed by, and construed in accordance with, the law of the State of New York, without regard to principles of conflicts of laws that would result in the application of the laws of any other jurisdiction; *provided that* Section 5-1401 of the New York General Obligations Law shall apply.

[signature to follow]

IN WITNESS WHEREOF, Grantor has caused this Patent and Trademark Security Agreement to be duly executed and delivered as of the day and year first above written.

DYNAVAX TECHNOLOGIES CORPORATION,
as Grantor

By  _____
Name: Michael S. Ostrach
Title: Chief Financial Officer
Date:

**Schedule A
to Patent and Trademark Security Agreement**

PATENTS AND PATENT APPLICATIONS

See attached.

#	Case Ref.	Country	Case Status	Application No.	Application Date	Registration No.	Registration Date
1	37788-20004.20	United States of America	Granted/Registered	09/296,477	4/22/1999	6,589,940	7/8/2003
2	37788-20004.41	Australia	Granted/Registered	753172	6/5/1998	753172	1/23/2003
3	37788-20004.42	Canada	Granted/Registered	2291483	6/5/1998	2291483	9/18/2012
4	37788-20004.43	European Patent Office	Granted/Registered	989263116	6/5/1998	0986572	10/22/2003
5	37788-20004.44	Japan	Granted/Registered	11502884	6/5/1998	4101888	3/28/2008
6	37788-20004.45	Hong Kong	Granted/Registered	001026179	6/5/1998	1024701	1/30/2004
7	37788-20004.46	Australia	Granted/Registered	2002301218	9/3/2002	2002301218	11/30/2006
8	37788-20004.48	Belgium	Granted/Registered	989263116	6/5/1998	0986572	10/22/2003
9	37788-20004.49	Switzerland	Granted/Registered	989263116	6/5/1998	0986572	10/22/2003
10	37788-20004.50	Germany	Granted/Registered	989263116	6/5/1998	69819150	10/22/2003
11	37788-20004.51	France	Granted/Registered	989263116	6/5/1998	0986572	10/22/2003
12	37788-20004.52	United Kingdom	Granted/Registered	989263116	6/5/1998	0986572	10/22/2003
13	37788-20004.53	Italy	Granted/Registered	989263116	6/5/1998	0986572	10/22/2003
14	37788-20008.00	United States of America	Granted/Registered	09/642,492	8/18/2000	7,479,285	1/20/2009
15	37788-20008.01	United States of America	Granted/Registered	12/270,662	11/13/2008	8,333,980	12/18/2012
16	37788-20008.41	Australia	Granted/Registered	6789900	8/18/2000	774380	10/14/2004
17	37788-20008.42	Canada	Granted/Registered	2380947	8/18/2000	2380947	11/1/2011
18	37788-20014.10	United States of America	Granted/Registered	11/820,592	6/19/2007	8,124,590	2/28/2012
19	37788-20014.20	United States of America	Granted/Registered	09/927,422	8/10/2001	7,250,403	7/31/2007
20	37788-20018.01	United States of America	Granted/Registered	11/963,663	12/21/2007	8,372,413	2/12/2013
21	37788-20018.41	Australia	Granted/Registered	2002231336	12/27/2001	2002231336	10/11/2007
22	37788-20018.43	China	Granted/Registered	018214908	12/27/2001	018214908	1/3/2007
23	37788-20018.44	Japan	Granted/Registered	2002553483	12/27/2001	4188687	9/19/2008
24	37788-20018.45	Republic of Korea	Granted/Registered	1020037008700	12/27/2001	100881923	1/29/2009
25	37788-20018.46	New Zealand	Granted/Registered	526322	12/27/2001	526322	10/6/2005
26	37788-20018.47	Singapore	Granted/Registered	2003036985	12/27/2001	2003036985	8/31/2005
27	37788-20018.48	European Patent Office	Granted/Registered	019916105	12/27/2001	1364010	6/16/2010
28	37788-20018.49	Switzerland	Granted/Registered	019916105	12/27/2001	1364010	6/16/2010
29	37788-20018.50	Germany	Granted/Registered	019916105	12/27/2001	60142410	6/16/2010
30	37788-20018.51	Spain	Granted/Registered	019916105	12/27/2001	1364010	6/16/2010
31	37788-20018.52	France	Granted/Registered	019916105	12/27/2001	1364010	6/16/2010
32	37788-20018.53	United Kingdom	Granted/Registered	019916105	12/27/2001	1364010	6/16/2010
33	37788-20018.54	Ireland	Granted/Registered	019916105	12/27/2001	1364010	6/16/2010
34	37788-20018.55	Italy	Granted/Registered	019916105	12/27/2001	1364010	6/16/2010
35	37788-20018.56	Netherlands	Granted/Registered	019916105	12/27/2001	1364010	6/16/2010
36	37788-20019.00	United States of America	Granted/Registered	10/640,172	8/12/2003	7,884,083	2/8/2011
37	37788-20020.00	United States of America	Granted/Registered	10/176,883	6/21/2002	7,255,868	8/14/2007
38	37788-20020.02	United States of America	Granted/Registered	11/590,150	10/30/2006	8,114,418	2/14/2012
39	37788-20020.03	United States of America	Granted/Registered	11/891,624	8/10/2007	8,003,115	8/23/2011

#	Case Ref.	Country	Case Status	Application No.	Application Date	Registration No.	Registration Date
40	37788-20020.04	United States of America	Granted/Registered	12/243,915	10/1/2008	8,222,398	7/17/2012
41	37788-20020.05	United States of America	Granted/Registered	13/349,515	1/12/2012	8,597,665	12/3/2013
42	37788-20020.10	United States of America	Granted/Registered	14/030,975	9/18/2013	9,028,845	5/12/2015
43	37788-20020.20	United States of America	Granted/Registered	10/328,578	12/23/2002	7,785,610	8/31/2010
44	37788-20020.41	Australia	Granted/Registered	2002345847	6/21/2002	2002345847	9/11/2008
45	37788-20020.42	Canada	Granted/Registered	2451974	6/21/2002	2451974	10/14/2014
46	37788-20020.43	China	Granted/Registered	21028146085	6/21/2002	21028146085	8/29/2007
47	37788-20020.44	Japan	Granted/Registered	2003507303	6/21/2002	4598389	10/1/2010
48	37788-20020.45	Republic of Korea	Granted/Registered	102003701677	6/21/2002	100985457	9/29/2010
49	37788-20020.46	New Zealand	Granted/Registered	530460	6/21/2002	530460	10/9/2008
50	37788-20020.47	Singapore	Granted/Registered	2003073434	6/21/2002	101606	12/30/2005
51	37788-20020.48	European Patent Office	Granted/Registered	027445899	6/21/2002	1404873	5/22/2013
52	37788-20020.49	Hong Kong	Granted/Registered	051015587	2/24/2005	1068924	2/1/2008
53	37788-20020.51	European Patent Office	Granted/Registered	111825931	6/21/2002	2423335	5/14/2014
54	37788-20020.52	Hong Kong	Granted/Registered	121083193	6/21/2002	1167690	3/6/2015
55	37788-20020.53	Austria	Granted/Registered	027445899	6/21/2002	1404873	5/22/2013
56	37788-20020.54	Belgium	Granted/Registered	027445899	6/21/2002	1404873	5/22/2013
57	37788-20020.55	Switzerland	Granted/Registered	027445899	6/21/2002	1404873	5/22/2013
58	37788-20020.56	Cyprus	Granted/Registered	027445899	6/21/2002	1404873	5/22/2013
59	37788-20020.57	Germany	Granted/Registered	027445899	6/21/2002	60245000	5/22/2013
60	37788-20020.58	Denmark	Granted/Registered	027445899	6/21/2002	1404873	5/22/2013
61	37788-20020.59	Spain	Granted/Registered	027445899	6/21/2002	1404873	5/22/2013
62	37788-20020.60	Finland	Granted/Registered	027445899	6/21/2002	1404873	5/22/2013
63	37788-20020.61	France	Granted/Registered	027445899	6/21/2002	1404873	5/22/2013
64	37788-20020.62	United Kingdom	Granted/Registered	027445899	6/21/2002	1404873	5/22/2013
65	37788-20020.63	Greece	Granted/Registered	027445899	6/21/2002	1404873	5/22/2013
66	37788-20020.64	Ireland	Granted/Registered	027445899	6/21/2002	1404873	5/22/2013
67	37788-20020.65	Italy	Granted/Registered	027445899	6/21/2002	1404873	5/22/2013
68	37788-20020.67	Luxembourg	Granted/Registered	027445899	6/21/2002	1404873	5/22/2013
69	37788-20020.68	Monaco	Granted/Registered	027445899	6/21/2002	1404873	5/22/2013
70	37788-20020.69	Netherlands	Granted/Registered	027445899	6/21/2002	1404873	5/22/2013
71	37788-20020.70	Portugal	Granted/Registered	027445899	6/21/2002	1404873	5/22/2013
72	37788-20020.71	Sweden	Granted/Registered	027445899	6/21/2002	1404873	5/22/2013
73	37788-20020.72	Turkey	Granted/Registered	027445899	6/21/2002	1404873	5/22/2013
74	37788-20020.73	Belgium	Granted/Registered	111825931	6/21/2002	2423335	5/14/2014
75	37788-20020.74	Switzerland	Granted/Registered	111825931	6/21/2002	2423335	5/14/2014
76	37788-20020.75	Germany	Granted/Registered	111825931	6/21/2002	60246293	5/14/2014
77	37788-20020.76	Denmark	Granted/Registered	111825931	6/21/2002	2423335	5/14/2014
78	37788-20020.77	Spain	Granted/Registered	111825931	6/21/2002	2423335	5/14/2014

#	Case Ref.	Country	Case Status	Application No.	Application Date	Registration No.	Registration No.	Registration Date
79	37788-20030.78	Finland	Granted/Registered	111825931	6/21/2002	2423335		5/14/2014
80	37788-20030.79	France	Granted/Registered	111825931	6/21/2002	2423335		5/14/2014
81	37788-20030.80	United Kingdom	Granted/Registered	111825931	6/21/2002	2423335		5/14/2014
82	37788-20030.81	Ireland	Granted/Registered	111825931	6/21/2002	2423335		5/14/2014
83	37788-20030.82	Italy	Granted/Registered	111825931	6/21/2002	2423335		5/14/2014
84	37788-20030.83	Netherlands	Granted/Registered	111825931	6/21/2002	2423335		5/14/2014
85	37788-20030.84	Sweden	Granted/Registered	111825931	6/21/2002	2423335		5/14/2014
86	37788-20030.85	Turkey	Granted/Registered	111825931	6/21/2002	2423335		5/14/2014
87	37788-20031.01	United States of America	Granted/Registered	12/396.348	3/2/2009	8,586,555		11/19/2013
88	37788-20031.44	Japan	Granted/Registered	2003519446	8/7/2002	4607452		10/15/2010
89	37788-20033.00	United States of America	Granted/Registered	10/741.720	12/18/2003	7,745,606		6/29/2010
90	37788-20033.01	United States of America	Granted/Registered	12/566.521	9/24/2009	8,158,768		4/17/2012
91	37788-20033.02	United States of America	Granted/Registered	13/438.757	4/3/2012	8,871,732		10/28/2014
92	37788-20033.03	United States of America	Filed	15/232.502	8/9/2016			
93	37788-20033.10	United States of America	Granted/Registered	14/518.933	10/20/2014	9,422,564		8/23/2016
94	37788-20033.41	Australia	Granted/Registered	2003297483	12/18/2003	2003297483		3/3/2011
95	37788-20033.42	Canada	Granted/Registered	2511475	12/18/2003	2511475		11/19/2013
96	37788-20033.43	China	Granted/Registered	2003801073014	12/18/2003	100546998		10/7/2009
97	37788-20033.44	European Patent Office	Granted/Registered	038143251	12/18/2003	1575977		9/9/2009
98	37788-20033.45	Japan	Granted/Registered	2005510051	12/18/2003	5102959		10/5/2012
99	37788-20033.46	Republic of Korea	Granted/Registered	1020057011912	12/18/2003	101178816		8/27/2012
100	37788-20033.47	New Zealand	Granted/Registered	541027	12/18/2003	541027		8/14/2008
101	37788-20033.49	Singapore	Granted/Registered	2007045727	12/18/2003	173219		12/30/2011
102	37788-20033.50	European Patent Office	Granted/Registered	080130867	12/18/2003	1992635		2/8/2012
103	37788-20033.51	Hong Kong	Granted/Registered	091044999	5/18/2009	1125943		10/26/2012
104	37788-20033.52	Austria	Granted/Registered	038143251	12/18/2003	1575977		9/9/2009
105	37788-20033.53	Belgium	Granted/Registered	038143251	12/18/2003	1575977		9/9/2009
106	37788-20033.54	Bulgaria	Granted/Registered	038143251	12/18/2003	1575977		9/9/2009
107	37788-20033.55	Switzerland	Granted/Registered	038143251	12/18/2003	1575977		9/9/2009
108	37788-20033.56	Cyprus	Granted/Registered	038143251	12/18/2003	1575977		9/9/2009
109	37788-20033.57	Czech Republic	Granted/Registered	038143251	12/18/2003	1575977		9/9/2009
110	37788-20033.58	Germany	Granted/Registered	038143251	12/18/2003	60329223		9/9/2009
111	37788-20033.59	Denmark	Granted/Registered	038143251	12/18/2003	1575977		9/9/2009
112	37788-20033.60	Estonia	Granted/Registered	038143251	12/18/2003	1575977		9/9/2009
113	37788-20033.61	Spain	Granted/Registered	038143251	12/18/2003	1575977		9/9/2009
114	37788-20033.62	Finland	Granted/Registered	038143251	12/18/2003	1575977		9/9/2009
115	37788-20033.63	France	Granted/Registered	038143251	12/18/2003	1575977		9/9/2009
116	37788-20033.64	United Kingdom	Granted/Registered	038143251	12/18/2003	1575977		9/9/2009
117	37788-20033.65	Greece	Granted/Registered	20090402677	12/18/2003	1575977		9/9/2009

#	Case Ref.	Country	Case Status	Application No.	Application Date	Registration No.	Registration Date
118	37788-20033.66	Hungary	Granted/Registered	038143251	12/18/2003	1575977	9/9/2009
119	37788-20033.67	Ireland	Granted/Registered	038143251	12/18/2003	1575977	9/9/2009
120	37788-20033.68	Italy	Granted/Registered	038143251	12/18/2003	1575977	9/9/2009
121	37788-20033.69	Luxembourg	Granted/Registered	038143251	12/18/2003	1575977	9/9/2009
122	37788-20033.70	Monaco	Granted/Registered	038143251	12/18/2003	1575977	9/9/2009
123	37788-20033.71	Netherlands	Granted/Registered	038143251	12/18/2003	1575977	9/9/2009
124	37788-20033.72	Portugal	Granted/Registered	038143251	12/18/2003	1575977	9/9/2009
125	37788-20033.73	Romania	Granted/Registered	038143251	12/18/2003	1575977	9/9/2009
126	37788-20033.74	Sweden	Granted/Registered	038143251	12/18/2003	1575977	9/9/2009
127	37788-20033.75	Slovenia	Granted/Registered	038143251	12/18/2003	1575977	9/9/2009
128	37788-20033.76	Slovakia	Granted/Registered	038143251	12/18/2003	1575977	9/9/2009
129	37788-20033.77	Turkey	Granted/Registered	038143251	12/18/2003	1575977	9/9/2009
130	37788-20033.78	China	Granted/Registered	2009101704063	12/18/2003	CN101693890B	9/5/2012
131	37788-20033.79	Singapore	Granted/Registered	2011035342	12/18/2003	2011035342	1/19/2017
132	37788-20033.80	Austria	Granted/Registered	080130867	12/18/2003	1992635	2/8/2012
133	37788-20033.81	Belgium	Granted/Registered	080130867	12/18/2003	1992635	2/8/2012
134	37788-20033.82	Bulgaria	Granted/Registered	080130867	12/18/2003	1992635	2/8/2012
135	37788-20033.83	Switzerland	Granted/Registered	080130867	12/18/2003	1992635	2/8/2012
136	37788-20033.84	Cyprus	Granted/Registered	080130867	12/18/2003	1992635	2/8/2012
137	37788-20033.85	Czech Republic	Granted/Registered	080130867	12/18/2003	1992635	2/8/2012
138	37788-20033.86	Germany	Granted/Registered	080130867	12/18/2003	60339984	2/8/2012
139	37788-20033.87	Denmark	Granted/Registered	080130867	12/18/2003	1992635	2/8/2012
140	37788-20033.88	Estonia	Granted/Registered	080130867	12/18/2003	1992635	2/8/2012
141	37788-20033.89	Spain	Granted/Registered	080130867	12/18/2003	1992635	2/8/2012
142	37788-20033.90	Finland	Granted/Registered	080130867	12/18/2003	1992635	2/8/2012
143	37788-20033.91	France	Granted/Registered	080130867	12/18/2003	1992635	2/8/2012
144	37788-20033.92	United Kingdom	Granted/Registered	080130867	12/18/2003	1992635	2/8/2012
145	37788-20033.93	Greece	Granted/Registered	080130867	12/18/2003	1992635	2/8/2012
146	37788-20033.94	Hungary	Granted/Registered	080130867	12/18/2003	1992635	2/8/2012
147	37788-20033.95	Ireland	Granted/Registered	080130867	12/18/2003	1992635	2/8/2012
148	37788-20033.96	Iceland	Granted/Registered	080130867	12/18/2003	1992635	2/8/2012
149	37788-20033.97	Italy	Granted/Registered	080130867	12/18/2003	1992635	2/8/2012
150	37788-20034.00	United States of America	Granted/Registered	11/212.297	8/24/2005	8.759.305	6/24/2014
151	37788-20034.41	Australia	Granted/Registered	2005282889	8/24/2005	2005282889	6/28/2012
152	37788-20034.42	Canada	Granted/Registered	2578775	8/24/2005	2578775	5/3/2016
153	37788-20034.43	China	Granted/Registered	2005800374174	8/24/2005	ZI2005800374174	1/6/2016
154	37788-20034.44	European Patent Office	Granted/Registered	057925182	8/24/2005	1794174	6/6/2012
155	37788-20034.47	Republic of Korea	Granted/Registered	1020077006947	8/24/2005	101268877	5/23/2013
156	37788-20034.48	New Zealand	Granted/Registered	553581	8/24/2005	553581	8/8/2011

#	Case Ref.	Country	Case Status	Application No.	Application Date	Registration No.	Registration Date
157	37788-20034.49	Singapore	Granted/Registered	2007015092	8/24/2005	130446	6/29/2012
158	37788-20034.50	European Patent Office	Granted/Registered	100110964	8/24/2005	2305693	7/15/2015
159	37788-20034.51	Hong Kong	Granted/Registered	111103993	8/24/2005	HK1156039	1/13/2017
160	37788-20034.53	Austria	Granted/Registered	057925182	8/24/2005	1794174	6/6/2012
161	37788-20034.54	Belgium	Granted/Registered	057925182	8/24/2005	1794174	6/6/2012
162	37788-20034.55	Switzerland	Granted/Registered	057925182	8/24/2005	1794174	6/6/2012
163	37788-20034.56	Cyprus	Granted/Registered	057925182	8/24/2005	1794174	6/6/2012
164	37788-20034.57	Germany	Granted/Registered	057925182	8/24/2005	602005034569	6/6/2012
165	37788-20034.58	Denmark	Granted/Registered	057925182	8/24/2005	1794174	6/6/2012
166	37788-20034.59	Spain	Granted/Registered	057925182	8/24/2005	1794174	6/6/2012
167	37788-20034.60	Finland	Granted/Registered	057925182	8/24/2005	1794174	6/6/2012
168	37788-20034.61	France	Granted/Registered	057925182	8/24/2005	1794174	6/6/2012
169	37788-20034.62	United Kingdom	Granted/Registered	057925182	8/24/2005	1794174	6/6/2012
170	37788-20034.63	Greece	Granted/Registered	057925182	8/24/2005	20120401772	6/6/2012
171	37788-20034.64	Hungary	Granted/Registered	057925182	8/24/2005	1794174	6/6/2012
172	37788-20034.65	Ireland	Granted/Registered	057925182	8/24/2005	1794174	6/6/2012
173	37788-20034.66	Iceland	Granted/Registered	057925182	8/24/2005	1794174	6/6/2012
174	37788-20034.67	Italy	Granted/Registered	057925182	8/24/2005	1794174	6/6/2012
175	37788-20034.68	Lithuania	Granted/Registered	057925182	8/24/2005	1794174	6/6/2012
176	37788-20034.69	Luxembourg	Granted/Registered	057925182	8/24/2005	1794174	6/6/2012
177	37788-20034.70	Latvia	Granted/Registered	057925182	8/24/2005	1794174	6/6/2012
178	37788-20034.71	Monaco	Granted/Registered	057925182	8/24/2005	1794174	6/6/2012
179	37788-20034.72	Netherlands	Granted/Registered	057925182	8/24/2005	1794174	6/6/2012
180	37788-20034.73	Poland	Granted/Registered	057925182	8/24/2005	1794174	6/6/2012
181	37788-20034.74	Portugal	Granted/Registered	057925182	8/24/2005	1794174	6/6/2012
182	37788-20034.75	Sweden	Granted/Registered	057925182	8/24/2005	1794174	6/6/2012
183	37788-20034.76	Slovenia	Granted/Registered	057925182	8/24/2005	1794174	6/6/2012
184	37788-20034.77	Turkey	Granted/Registered	057925182	8/24/2005	TR201208680	6/6/2012
185	37788-20034.78	Australia	Granted/Registered	2012203156	8/24/2005	2012203156	1/3/2013
186	37788-20034.79	Japan	Granted/Registered	2012129374	8/24/2005	5775024	7/10/2015
187	37788-20034.80	Switzerland	Granted/Registered	100110964	8/24/2005	2305693	7/15/2015
188	37788-20034.81	Germany	Granted/Registered	100110964	8/24/2005	602005046998	7/15/2015
189	37788-20034.82	Spain	Granted/Registered	100110964	8/24/2005	2305693	7/15/2015
190	37788-20034.83	France	Granted/Registered	100110964	8/24/2005	2305693	7/15/2015
191	37788-20034.84	United Kingdom	Granted/Registered	100110964	8/24/2005	2305693	7/15/2015
192	37788-20034.85	Ireland	Granted/Registered	100110964	8/24/2005	2305693	7/15/2015
193	37788-20034.86	Italy	Granted/Registered	100110964	8/24/2005	2305693	7/15/2015
194	37788-20034.87	Netherlands	Granted/Registered	100110964	8/24/2005	2305693	7/15/2015
195	37788-20035.00	United States of America	Granted/Registered	11/367.661	3/3/2006	7.718.622	5/18/2010

#	Case Ref.	Country	Case Status	Application No.	Application Date	Registration No.	Registration Date
196	37788-20035.30	United States of America	Granted/Registered	13/475,928	5/18/2012	RE45196	10/14/2014
197	37788-20035.47	New Zealand	Granted/Registered	561144	3/3/2006	561144	1/7/2010
198	37788-20037.00	United States of America	Granted/Registered	11/938,192	11/9/2007	8,252,757	8/28/2012
199	37788-20037.41	Australia	Granted/Registered	2007333368	11/9/2007	2007333368	3/6/2014
200	37788-20037.44	European Patent Office	Granted/Registered	078714367	11/9/2007	2094849	1/8/2014
201	37788-20037.45	Japan	Granted/Registered	2009536527	11/9/2007	5714818	3/20/2015
202	37788-20037.48	Belgium	Granted/Registered	078714367	11/9/2007	2094849	1/8/2014
203	37788-20037.49	Switzerland	Granted/Registered	078714367	11/9/2007	2094849	1/8/2014
204	37788-20037.50	Czech Republic	Granted/Registered	078714367	11/9/2007	2094849	1/8/2014
205	37788-20037.51	Germany	Granted/Registered	078714367	11/9/2007	602007034739	1/8/2014
206	37788-20037.52	Denmark	Granted/Registered	078714367	11/9/2007	2094849	1/8/2014
207	37788-20037.53	Spain	Granted/Registered	078714367	11/9/2007	2094849	1/8/2014
208	37788-20037.54	Finland	Granted/Registered	078714367	11/9/2007	2094849	1/8/2014
209	37788-20037.55	France	Granted/Registered	078714367	11/9/2007	2094849	1/8/2014
210	37788-20037.56	United Kingdom	Granted/Registered	078714367	11/9/2007	2094849	1/8/2014
211	37788-20037.57	Hungary	Granted/Registered	078714367	11/9/2007	2094849	1/8/2014
212	37788-20037.58	Ireland	Granted/Registered	078714367	11/9/2007	2094819	1/8/2014
213	37788-20037.59	Italy	Granted/Registered	078714367	11/9/2007	2094849	1/8/2014
214	37788-20037.61	Netherlands	Granted/Registered	078714367	11/9/2007	2094849	1/8/2014
215	37788-20037.62	Poland	Granted/Registered	078714367	11/9/2007	2094849	1/8/2014
216	37788-20037.63	Romania	Granted/Registered	078714367	11/9/2007	2094849	1/8/2014
217	37788-20037.64	Sweden	Granted/Registered	078714367	11/9/2007	2094859	1/8/2014
218	37788-20037.65	Turkey	Granted/Registered	078714367	11/9/2007	2094849	1/8/2014
219	37788-20037.66	Japan	Granted/Registered	2014204775	11/9/2007	6023142	10/14/2016
220	37788-20039.00	United States of America	Granted/Registered	12/767,692	4/26/2010	8,962,579	2/24/2015
221	37788-20039.01	United States of America	Granted/Registered	14/613,280	2/3/2015	9,476,053	10/25/2016
222	37788-20039.41	Australia	Granted/Registered	2008317261	10/27/2008	2008317261	8/5/2015
223	37788-20039.42	Canada	Granted/Registered	2703931	10/27/2008	2703931	8/16/2016
224	37788-20039.43	European Patent Office	Granted/Registered	088418678	10/27/2008	2209896	3/1/2017
225	37788-20039.44	Japan	Granted/Registered	2010531068	10/27/2008	5749492	5/22/2015
226	37788-20039.45	Hong Kong	Filed	111006054	10/27/2008		
227	37788-20039.46	European Patent Office	Granted/Registered	111558680	10/27/2008	2361980	12/7/2016
228	37788-20039.47	Hong Kong	Filed	121020242	10/27/2008		
229	37788-20039.48	Switzerland	Granted/Registered	111558680	10/27/2008	2361980	12/7/2016
230	37788-20039.49	Germany	Granted/Registered	111558680	10/27/2008	602008047817	12/7/2016
231	37788-20039.50	France	Granted/Registered	111558680	10/27/2008	2361980	12/7/2016
232	37788-20039.51	United Kingdom	Granted/Registered	111558680	10/27/2008	2361980	12/7/2016
233	37788-20039.52	Ireland	Granted/Registered	111558680	10/27/2008	2361980	12/7/2016
234	37788-20039.53	Netherlands	Granted/Registered	111558680	10/27/2008	2361980	12/7/2016

#	Case Ref.	Country	Case Status	Application No.	Application Date	Registration No.	Registration Date
235	37788-20039.54	Sweden	Granted/Registered	111558680	10/27/2008	2361980	12/7/2016
236	37788-20039.55	Germany	Granted/Registered	088418678	10/27/2008	602008048993	3/1/2017
237	37788-20039.56	France	Granted/Registered	088418678	10/27/2008	2209896	3/1/2017
238	37788-20039.57	United Kingdom	Granted/Registered	088418678	10/27/2008	2209896	3/1/2017
239	37788-20042.00	United States of America	Granted/Registered	12/992.590	5/15/2009	8,815,817	8/26/2014
240	37788-20042.10	United States of America	Granted/Registered	14/335.790	7/18/2014	9,333,254	5/10/2016
241	37788-20042.41	Australia	Granted/Registered	2009246169	5/15/2009	2009246169	5/7/2015
242	37788-20042.43	European Patent Office	Granted/Registered	097477079	5/15/2009	2300102	1/8/2014
243	37788-20042.44	Japan	Granted/Registered	2011509763	5/15/2009	5727367	4/10/2015
244	37788-20042.45	Hong Kong	Granted/Registered	111099294	5/15/2009	1155681	9/12/2014
245	37788-20042.46	Switzerland	Granted/Registered	097477079	5/15/2009	2300102	1/8/2014
246	37788-20042.47	Germany	Granted/Registered	097477079	5/15/2009	602009021311	1/8/2014
247	37788-20042.48	France	Granted/Registered	097477079	5/15/2009	2300102	1/8/2014
248	37788-20042.49	United Kingdom	Granted/Registered	097477079	5/15/2009	2300102	1/8/2014
249	37788-20042.50	Ireland	Granted/Registered	097477079	5/15/2009	2300102	1/8/2014
250	37788-20047.00	United States of America	Granted/Registered	13/704.978	6/16/2011	8,940,310	1/27/2015
251	37788-20047.01	United States of America	Granted/Registered	14/553.857	11/25/2014	9,347,064	5/24/2016
252	37788-20047.41	Japan	Granted/Registered	2013515317	12/14/2010	5921535	4/22/2016
253	37788-20047.43	Australia	Granted/Registered	2011268211	6/16/2011	2011268211	10/29/2015
254	37788-20047.44	Canada	Filed	2802873	6/16/2011		
255	37788-20047.46	European Patent Office	Granted/Registered	117964718	6/16/2011	2582398	4/13/2016
256	37788-20047.50	Republic of Korea	Filed	1020137001009	6/16/2011		
257	37788-20047.51	Mexico	Granted/Registered	MXa2012014904	6/16/2011	338980	5/6/2016
258	37788-20047.52	Singapore	Granted/Registered	2012092896	6/16/2011	186380	11/5/2015
259	37788-20047.54	Hong Kong	Granted/Registered	131112749	6/16/2011	11838098	6/2/2017
260	37788-20047.55	Switzerland	Granted/Registered	117964718	6/16/2011	2582398	4/13/2016
261	37788-20047.56	Germany	Granted/Registered	117964718	6/16/2011	602011025347	4/13/2016
262	37788-20047.57	France	Granted/Registered	117964718	6/16/2011	2582398	4/13/2016
263	37788-20047.58	United Kingdom	Granted/Registered	117964718	6/16/2011	2582398	4/13/2016
264	37788-20047.59	Ireland	Granted/Registered	117964718	6/16/2011	2582398	4/13/2016
265	37788-20047.60	Netherlands	Granted/Registered	117964718	6/16/2011	2582398	4/13/2016
266	37788-20047.61	Sweden	Granted/Registered	117964718	6/16/2011	2582398	4/13/2016
267	37788-20050.00	United States of America	Granted/Registered	13/434.805	3/29/2012	9,063,123	6/23/2015
268	37788-20050.41	Australia	Granted/Registered	2012236345	3/29/2012	2012236345	1/15/2015
269	37788-20050.42	European Patent Office	Granted/Registered	127653277	3/29/2012	2690950	1/4/2017
270	37788-20050.43	Germany	Granted/Registered	127653277	3/29/2012	602012027407	1/4/2017
271	37788-20050.44	France	Granted/Registered	127653277	3/29/2012	2690950	1/4/2017
272	37788-20050.45	United Kingdom	Granted/Registered	127653277	3/29/2012	2690950	1/4/2017
273	37788-20052.00	United States of America	Granted/Registered	13/448.302	4/16/2012	9,452,212	9/27/2016

#	Case Ref.	Country	Case Status	Application No.	Application Date	Registration No.	Registration Date
274	37788-20052.01	United States of America	Filed	15/264,498	9/13/2016	9,884,110	2/6/2018
275	37788-20052.41	Australia	Granted/Registered	2011365013	4/4/2011	2011365013	12/12/2013
276	37788-20054.00	United States of America	Granted/Registered	13/842,861	3/15/2013	9,228,184	1/5/2016
277	37788-20054.30	United States of America	Granted/Registered	14/430,876	9/27/2013	9,868,955	1/16/2018
278	37788-20054.41	Australia	Granted/Registered	2013202255	4/2/2013	2013202255	10/27/2016
279	37788-20054.42	Australia	Granted/Registered	2013203855	4/2/2013	2013203855	10/27/2016
280	37788-20054.44	European Patent Office	Granted/Registered	137735825	9/27/2013	2900823	11/8/2017
281	37788-20054.45	Japan	Filed	2015534781	9/27/2013		
282	37788-20054.47	Canada	Filed	2886755	9/27/2013		
283	37788-20054.48	Hong Kong	Filed	161011436	9/27/2013		
284	37788-20054.49	Germany	Granted/Registered	137735825	9/27/2013	602013029163	11/8/2017
285	37788-20054.50	France	Granted/Registered	137735825	9/27/2013	2900823	11/8/2017
286	37788-20054.51	Ireland	Granted/Registered	137735825	9/27/2013	2900823	11/8/2017
287	37788-20054.52	United Kingdom	Granted/Registered	137735825	9/27/2013	2900823	11/8/2017
288	37788-20056.00	United States of America	Filed	15/004,860	1/22/2016		
289	37788-20056.41	Australia	Filed	2016209027	1/22/2016		
290	37788-20056.42	Canada	Filed	2974513	1/22/2016		
291	37788-20056.43	China	Filed	201680011919	1/22/2016		
292	37788-20056.44	European Patent Office	Filed	167072610	1/22/2016		
293	37788-20056.45	Japan	Filed	2017538361	1/22/2016		
294	37788-20056.46	Republic of Korea	Filed	1020177027789	1/22/2016		
295	37788-20056.47	Singapore	Filed	11201705913U	1/22/2016		
296	37788-20056.48	Mexico	Filed	MXA2017009542	1/22/2016		
297	37788-20060.00	United States of America	Filed	15/162,535	5/23/2016		
298	37788-20060.41	Australia	Filed	2016270782	5/23/2016		
299	37788-20060.42	Canada	Filed	2987237	5/23/2016		
300	37788-20060.43	China	Filed	2016800312956	5/23/2016		
301	37788-20060.44	European Patent Office	Filed	167270891	5/23/2016		
302	37788-20060.45	Israel	Filed	255903	5/23/2016		
303	37788-20060.46	Japan	Filed	2017561677	5/23/2016		
304	37788-20060.47	Republic of Korea	Filed	1020177035856	5/23/2016		
305	37788-20060.48	Mexico	Filed	MX/A/2017/015294	5/23/2016		
306	37788-20060.49	New Zealand	Filed	737488	5/23/2016		
307	37788-20060.50	Russia	Filed	2017145940	5/23/2016		
308	37788-20061.00	United States of America	Filed	15/489,353	4/14/2017		
309	37788-20061.40	Patent Cooperation Treaty	Filed	PCT/US2017/027788	4/14/2017		
310	37788-20062.40	Patent Cooperation Treaty	Filed	PCT/US2017/060946	11/9/2017		
311	37788-25033.40	Luxembourg	Granted/Registered	080130867	12/18/2003	1992635	2/8/2012
312	37788-25033.41	Monaco	Granted/Registered	080130867	12/18/2003	1992635	2/8/2012

#	Case Ref.	Country	Case Status	Application No.	Application Date	Registration No.	Registration Date
313	37788-25033.42	Netherlands	Granted/Registered	080130867	12/18/2003	1992635	2/8/2012
314	37788-25033.44	Portugal	Granted/Registered	080130867	12/18/2003	1992635	2/8/2012
315	37788-25033.45	Romania	Granted/Registered	080130867	12/18/2003	1992635	2/8/2012
316	37788-25033.46	Sweden	Granted/Registered	080130867	12/18/2003	1992635	2/8/2012
317	37788-25033.47	Slovenia	Granted/Registered	080130867	12/18/2003	1992635	2/8/2012
318	37788-25033.48	Slovakia	Granted/Registered	080130867	12/18/2003	1992635	2/8/2012
319	37788-25033.49	Turkey	Granted/Registered	080130867	12/18/2003	1992635	2/8/2012
320	37788-25033.51	Republic of Korea	Granted/Registered	1020127008544	12/18/2003	101309501	9/11/2013
321	37788-30063.00	United States of America	Filed	62/548,844	8/22/2017		
322	37788-30063.01	United States of America	Filed	62/548,848	8/22/2017		
323	37788-30063.02	United States of America	Filed	62/548,849	8/22/2017		
324	37788-30064.00	United States of America	Filed	62/586,110	11/14/2017		

**Schedule B
to Patent and Trademark Security Agreement**

TRADEMARKS AND TRADEMARK APPLICATIONS

See attached.

Dynavax Technologies Corporation
Trademarks

Mark	Jurisdiction	Class	Application No.	Application Date	Registration No.	Registration Date	Goods/Services	Status
BEKOYA	Argentina	5	3089092	5/23/2011	N/A	N/A	Pharmaceutical preparations	Abandoned
BEKOYA	Australia (Madrid)	5	1079474 (IR) 1433756 (Local No.)	5/19/2011	1079474 (IR) 1433756 (Local No.)	5/29/2011	Pharmaceutical preparations	Abandoned
BEKOYA	Brazil	5	903671034	5/20/2011	N/A	N/A	Pharmaceutical preparations	Abandoned
BEKOYA	Canada	5	1528582	5/20/2011	N/A	N/A	Pharmaceutical preparations	Abandoned
BEKOYA	China (Madrid)	5	1079474 (IR)	5/19/2011	N/A	N/A	Pharmaceutical preparations	Abandoned
BEKOYA	European Union (Madrid)	5	1079474 (IR)	5/19/2011	N/A	N/A	Pharmaceutical preparations	Abandoned
BEKOYA	India	5	2148477	5/23/2011	N/A	N/A	Pharmaceutical preparations	Abandoned
BEKOYA	Indonesia	5	D002011022159	6/6/2011	N/A	N/A	Pharmaceutical preparations	Abandoned
BEKOYA	International Registration (Madrid)	5	1079474 (US Ref. No.: A0024658)	5/19/2011	1079474	5/19/2011	Pharmaceutical preparations	Abandoned
	Designating Australia, China, EU, Israel, Japan, Korea, Norway, Russia, Singapore, Spain, Switzerland, Turkey, Ukraine							
BEKOYA	Israel (Madrid)	5	1079474 (IR)	5/19/2011	N/A	N/A	Pharmaceutical preparations	Abandoned
BEKOYA	Japan (Madrid)	5	1079474 (IR)	5/19/2011	1079474 (IR)	5/19/2011	Pharmaceutical preparations	Abandoned
BEKOYA	Korea (Madrid)	5	1079474 (IR)	5/19/2011	1079474 (IR)	5/19/2011	Pharmaceutical preparations	Abandoned
BEKOYA	Mexico	5	1180173	5/23/2011	1241477	10/4/2011	Pharmaceutical preparations	Registered (to be abandoned)
BEKOYA	New Zealand	5	842298	5/20/2011	842298	5/20/2011	Pharmaceutical preparations	Registered (to be abandoned)
BEKOYA	Norway (Madrid)	5	1079474 (IR)	5/19/2011	N/A	N/A	Pharmaceutical preparations	Abandoned
BEKOYA	Russia (Madrid)	5	1079474 (IR)	5/19/2011	N/A	N/A	Pharmaceutical preparations	Abandoned

TRADEMARK
REEL: 006277 FRAME: 0575

Mark	Jurisdiction	Class	Application No.	Application Date	Registration No.	Registration Date	Goods/Services	Status
BEKOYA	Singapore (Madrid)	5	1079474 (IR) T1108654B (Local No.)	5/19/2011	1079474 (IR) T1108654B (Local No.)	1/18/2012	Pharmaceutical preparations	Abandoned
BEKOYA	South Africa	5	201/1/12082	5/24/2011	N/A	N/A	Pharmaceutical preparations	Abandoned
BEKOYA	Turkey (Madrid)	5	1079474 (IR)	5/17/2011	1079474 (IR)	5/19/2011	Pharmaceutical preparations	Abandoned
BEKOYA	Ukraine (Madrid)	5	1079474 (IR)	5/19/2011	1079474 (IR)	5/29/2011 (Grant of Protection issued 5/28/2012)	Pharmaceutical preparations	Abandoned
BEKOYA	United States of America	5	85/192,976	12/8/2010	N/A	N/A	Pharmaceutical preparations for the prevention and treatment of hepatitis B virus infection	Abandoned Basis for IR No. 1079474
DYNAVAX	European Union	5	16215071	12/29/2016	---	---	Pharmaceutical preparations; vaccines; pharmaceutical preparations for treating allergies; pharmaceutical preparations for the prevention of allergies; pharmaceutical preparations for the treatment of infectious diseases; pharmaceutical preparations and substances for the prevention of cancer; pharmaceutical preparations and substances for the treatment of cancer; pharmaceutical preparations for the prevention of inflammatory diseases; pharmaceutical preparations for the treatment of inflammatory diseases; pharmaceutical preparations for the treatment of autoimmune diseases; pharmaceutical preparations for the prevention of autoimmune diseases; pharmaceutical preparations for the prevention of rheumatological diseases; pharmaceutical preparations for treating arthritis; pharmaceutical preparations for treating asthma; pharmaceutical preparations for the treatment of viral diseases	Published
DYNAVAX	European Union	42	3383361	10/6/2003	3383361	3/3/2005	Pharmaceutical and biological research, testing and product development consultation; pharmaceutical and biological research, testing and product development for others; vaccine research and development.	Registered
DYNAVAX	Singapore	42	T03/16130A	10/6/2003	T03/16130/A	4/23/2003	Pharmaceutical and biological research, testing and product development consultation; pharmaceutical	Registered

TRADEMARK
REEL: 006277 FRAME: 0576

Mark	Jurisdiction	Class	Application No.	Application Date	Registration No.	Registration Date	Goods/Services	Status
							and biological research, testing and product development for others; vaccine research and development.	
DYNAVAX	United States of America	5	78/187,639	11/21/2002	3366555	1/8/2008	Pharmaceutical preparations for the treatment and prevention of allergies, infectious diseases, cancer, chronic inflammatory diseases, autoimmune diseases, rheumatoid arthritis, Crohn's disease, asthma, chronic viral infections	Registered
DYNAVAX	United States of America	42	76/540,616	4/23/2003	3307735	10/9/2007	Pharmaceutical and biological research, testing and product development consultation; pharmaceutical and biological research, testing and product development for others; vaccine research and development.	Registered
DYNAVAX INNOVATING IMMUNOLOGY (Stylized -in Color)	European Union	5, 42	14251664	6/15/2015	---	---	Class 5 – Pharmaceutical preparations for the treatment and prevention of allergies, infectious diseases, cancer, chronic inflammatory diseases, autoimmune diseases, rheumatoid arthritis, Crohn's disease, asthma, chronic viral infections; vaccines (priority based on U.S. Serial No. 86/489,831 filed 12/23/2014)	Published
DYNAVAX INNOVATING IMMUNOLOGY (Stylized -in Color)	United States of America	5	86/489,831	12/23/2014	---	---	Class 42 – Pharmaceutical and biological research, testing and product development consultation; pharmaceutical and biological research, testing and product development for others; vaccine research and development (priority based on U.S. Serial No. 86/489,837 filed 12/23/2014)	
DYNAVAX INNOVATING IMMUNOLOGY (Stylized -in Color)	United States of America	42	86/489,837	12/23/2014	5151687	2/28/2017	Pharmaceutical preparations for the treatment and prevention of allergies, infectious diseases, cancer, chronic inflammatory diseases, autoimmune diseases, rheumatoid arthritis, Crohn's disease, asthma, chronic viral infections; vaccines	Allowed
DYNAVAX INNOVATING IMMUNOLOGY (Stylized -in Color)	United States of America						Pharmaceutical and biological research, testing and product development consultation; pharmaceutical and biological research, testing and product development for others; vaccine research and development	Registered
ESPRINDA	United States of America	5	78/720,690	9/26/2005	N/A	N/A	Pharmaceutical preparations; vaccines	Abandoned

Mark	Jurisdiction	Class	Application No.	Application Date	Registration No.	Registration Date	Goods/Services	Status
EVAREP	United States of America	5	78/720,754	9/26/2005	N/A	N/A	Pharmaceutical preparations; vaccines	Abandoned
EVASEP	United States of America	5	78/720,770	9/26/2005	N/A	N/A	Pharmaceutical preparations; vaccines	Abandoned
EXTEBA	United States of America	5	85/522,418	1/23/2012	N/A	N/A	Pharmaceutical preparations	Abandoned
EXIVAX	United States of America	5	85/192,980	12/8/2010	N/A	N/A	Pharmaceutical preparations	Abandoned
HEBNEX	United States of America	5	85/119,136	8/30/2010	N/A	N/A	Pharmaceutical preparations	Abandoned
HEPGAR	United States of America	5	78/720,740	9/26/2005	N/A	N/A	Pharmaceutical preparations; vaccines	Abandoned
HEPLISAV	Argentina	5	3145570	2/14/2012	2575934	6/7/2013	Pharmaceutical preparations	Registered
HEPLISAV	Australia (Madrid)	5	1108551 (IR) 1480003 (Local No.)	2/8/2012	1108551 (IR) 1480003 (Local No.)	2/8/2012 (Grant of Protection issued 10/2/2012)	Pharmaceutical preparations	Registered
HEPLISAV	Brazil	5	904518191	2/10/2012	904518191	2/18/2015	Pharmaceutical preparations	Registered
HEPLISAV	Canada	5	1293726	3/15/2006	N/A	N/A	Pharmaceutical preparations; vaccines	Abandoned
HEPLISAV	Canada	5	1615048	2/21/2013	---	---	Human vaccines	Allowed
HEPLISAV	China	5	5231488	3/22/2006	5231488	7/14/2009	Pharmaceutical preparations; vaccines	Registered
HEPLISAV	European Union	5	4958591	3/15/2006	4958591	4/11/2007	Pharmaceutical preparations; vaccines	Registered
HEPLISAV	India	5	2280326	2/9/2012	---	---	Pharmaceutical preparations	Published
HEPLISAV	International Registration (Madrid)	5	1108551 (US Ref. No. A0028302)	2/8/2012	1108551	2/8/2012	Vaccines	Registered
HEPLISAV	Designating Australia, Israel, Japan, Korea, Norway, Russia, Singapore, Switzerland, Turkey, Ukraine							
HEPLISAV	Israel (Madrid)	5	1108551 (IR)	2/8/2012	1108551 (IR)	2/8/2012	Vaccines	Registered

TRADEMARK
REEL: 006277 FRAME: 0578

Mark	Jurisdiction	Class	Application No.	Application Date	Registration No.	Registration Date	Goods/Services	Status
HEPLISAV	Japan	5	2006-23412	3/15/2006	4970331	(Grant of Protection issued 8/5/2013)	Pharmaceutical preparations; vaccines	Registered
HEPLISAV	Japan (Madrid)	5	1108551 (IR)	2/8/2012	1108551 (IR)	2/8/2012 (Grant of Protection issued 9/20/2012)	Vaccines	Registered
HEPLISAV	Korea (Madrid)	5	1108551 (IR)	2/8/2012	1108551 (IR)	2/8/2012 (Grant of Protection issued 12/13/2012)	Vaccines	Registered
HEPLISAV	New Zealand	5	856271	2/9/2012	856271	2/9/2012 (issued 8/10/2012)	Pharmaceutical preparations	Registered
HEPLISAV	Norway (Madrid)	5	1108551 (IR)	2/8/2012	1108551 (IR)	2/8/2012 (Grant of Protection issued 12/21/2012)	Vaccines	Registered
HEPLISAV	Russia (Madrid)	5	1108551 (IR)	2/8/2012	1108551 (IR)	2/8/2012 (Grant of Protection issued 2/14/2013)	Vaccines	Registered
HEPLISAV	Singapore (Madrid)	5	1108551 (IR)	2/8/2012	1108551 (IR)	2/8/2012 (Grant of Protection issued 8/8/2012)	Vaccines	Registered
HEPLISAV	South Africa	5	2012/03470	2/14/2012	2012/03470	2/14/2012 (issued 10/1/2013)	Pharmaceutical preparations	Registered
HEPLISAV	Switzerland (Madrid)	5	1108551 (IR)	2/8/2012	1108551 (IR)	2/8/2012 (Grant of	Vaccines	Registered

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REEL: 006277 FRAME: 0579

Mark	Jurisdiction	Class	Application No.	Application Date	Registration No.	Registration Date	Goods/Services	Status
HEPLISAV	Turkey (Madrid)	5	1108551 (IR)	2/8/2012	1108551 (IR)	2/8/2012 (Grant of Protection issued 9/9/2013)	Vaccines	Registered
HEPLISAV	Ukraine (Madrid)	5	1108551 (IR)	2/8/2012	1108551 (IR)	2/8/2012 (Grant of Protection issued 3/14/2013)	Vaccines	Registered
HEPLISAV	United States of America	5	78/720,726	9/26/2005	3795025	5/25/2010	Vaccines	Registered Basis for IR No. 1108551
HEPLISAV-B	Argentina	5	3226695	2/15/2013	2649645	5/19/2014	Vaccines	Registered
HEPLISAV-B	Australia	5	1546185 (Old IR No. 1150814)	2/8/2013 (transformed into national registration 10/30/2017)	1546185 (Old IR No. 1150814)	2/8/2013 (Grant of Protection issued 8/9/2013; national registration issued 11/8/2017)	Vaccines	Registered
HEPLISAV-B	Brazil	5	840419287	2/14/2013	840419287	11/24/2015	Vaccines	Registered
HEPLISAV-B	Canada	5	1613607	2/11/2013	---	---	Human vaccines	Allowed
HEPLISAV-B	China	5	12182474	2/21/2013	12182474	8/7/2014	Vaccines	Registered
HEPLISAV-B	European Union	5	11565546	2/12/2013	11565546	6/4/2013	Vaccines	Registered
HEPLISAV-B	India	5	2475820	2/11/2013	---	---	Vaccines	Published
HEPLISAV-B	International Registration (Madrid)	5	1150814 (US Ref. No. A0034015)	2/8/2013	1150814	2/8/2013	Vaccines	Abandoned
	Designating Australia, Israel, Japan, Korea, New Zealand, Norway, Russia							

Mark	Jurisdiction	Class	Application No.	Application Date	Registration No.	Registration Date	Goods/Services	Status
HEPLISAV-B	Singapore, Switzerland, Turkey, Ukraine							
HEPLISAV-B	Israel	5	300018 (Old IR No. 1150814; old Local No. 254219)	2/8/2013 (transformed into national registration 11/12/2017)	300018 (Old IR No. 1150814; old Local No. 254219)	2/8/2013 (Grant of Protection issued 8/7/2014; national registration issued 11/12/2017)	Vaccines	Registered
HEPLISAV-B	Japan	5	2017-144839 (Old IR No. 1150814)	2/8/2013 (conversion into national registration filed 11/2/2017)	--- (Old IR No. 1150814)	2/8/2013 (Grant of Protection issued 8/22/2013)	Vaccines	Pending
HEPLISAV-B	Korea (South)	5	40-2017-0135990 (Old IR No. 1150814)	2/8/2013 (conversion into national registration filed 10/27/2017)	40-1309759-0000 (Old IR No. 1150814)	2/8/2013 (Grant of Protection issued 12/16/2013; national registration issued 12/4/2017)	Vaccines	Registered
HEPLISAV-B	New Zealand	5	1079522 (Old IR No. 1150814; old Local No. 974212)	2/8/2013 (transformed into national registration 10/30/2017)	1079522 (Old IR No. 1150814; old Local No. 974212)	2/8/2013 (Grant of Protection issued 8/9/2013; national registration issued 10/30/2017)	Vaccines	Registered
HEPLISAV-B	Norway	5	201715061 (Old IR No. 1150814)	2/8/2013 (conversion into national registration filed 11/13/2017)	295310 (Old IR No. 1150814)	2/8/2013 (Grant of Protection issued 10/11/2013; national registration issued)	Vaccines	Registered

TRADEMARK
REEL: 006277 FRAME: 0581

Mark	Jurisdiction	Class	Application No.	Application Date	Registration No.	Registration Date	Goods/Services	Status
HEPLISAV-B	Russia	5	2017745385 (Old IR No. 1150814)	2/8/2013 (conversion into national registration filed 10/31/2017)	--- (Old IR No. 1150814)	2/8/2013 (Grant of Protection issued 1/28/2014)	Vaccines	Pending
HEPLISAV-B	Singapore	5	TT304310G (Old IR No. 1150814)	2/8/2013 (conversion into national registration filed 10/26/2017)	--- (Old IR No. 1150814)	2/8/2013 (Grant of Protection issued 10/23/2013)	Vaccines	Pending
HEPLISAV-B	South Africa	5	2013/04233 (associated with HEPLISAV appl. no. 2012/03470)	2/19/2013	2013/04233	11/27/2015	Vaccines	Registered
HEPLISAV-B	Switzerland	5	00476/2017 (Old IR No. 1150814)	2/8/2013 (conversion into national registration filed 10/25/2017)	--- (Old IR No. 1150814)	2/8/2013 (Grant of protection issued 3/12/2014)	Vaccines	Pending
HEPLISAV-B	Turkey	5	2013/25134 (Old IR No. 1150814)	2/8/2013 (conversion into national registration filed 10/26/2017)	2013 25134 (Old IR No. 1150814)	2/8/2013 (Grant of protection issued 3/31/2014)	Vaccines	Pending
HEPLISAV-B	Ukraine	5	m 2017 25250 (Old IR No. 1150814)	2/8/2013 (conversion into national registration filed 11/13/2017)	--- (Old IR No. 1150814)	2/8/2013 (Grant of protection issued 3/3/2014)	Vaccines	Pending
HEPLISAV-B	United States of America	5	85/840,674	2/5/2013	---	---	Vaccines	Abandoned (re-filed)
HEPLISAV-B	United States of America	5	87/145,972	8/22/2016	---	---	Vaccines; pharmaceutical preparations for the prevention of infectious diseases and chronic viral infections	Allowed 1 st Use date: 10/31/2016
HEPLIVAX	United States of	5	85/192,966	12/8/2010	N/A	N/A	Pharmaceutical preparations	Abandoned

TRADEMARK
REEL: 006277 FRAME: 0582

Mark	Jurisdiction	Class	Application No.	Application Date	Registration No.	Registration Date	Goods/Services	Status
PREBEVAX	United States of America	5	85/522,415	1/23/2012	N/A	N/A	Pharmaceutical preparations	Abandoned
TOLAMBA	Canada	5	1293724	3/15/2006	N/A	N/A	Pharmaceutical preparations	Abandoned
TOLAMBA	Canada	5	1572858	4/12/2012	N/A	N/A	Pharmaceutical preparations	Abandoned
TOLAMBA	European Union	5	4958534	3/15/2006	4958534	4/11/2007	Pharmaceutical preparations	Abandoned
TOLAMBA	United States of America	5	78/720,696	9/26/2005	3410534	4/8/2008	Pharmaceutical preparations	Abandoned
TOLAMBIQ	United States of America	5	78/720,719	9/26/2005	N/A	N/A	Pharmaceutical preparations	Abandoned
TOLESPRI	United States of America	5	78/720,703	9/26/2005	N/A	N/A	Pharmaceutical preparations	Abandoned
VAXEB	United States of America	5	85/119,119	8/30/2010	N/A	N/A	Pharmaceutical preparations	Abandoned
VAXXAV	Argentina	5	3089093	5/23/2011	N/A	N/A	Pharmaceutical preparations	Abandoned
VAXXAV	Australia (Madrid)	5	1079475 (IR) 1433757 (Local No.)	5/19/2011	1079475 (IR) 1433757 (Local No.)	5/19/2011	Pharmaceutical preparations	Abandoned
VAXXAV	Brazil	5	903671166	5/20/2011	N/A	N/A	Pharmaceutical preparations	Abandoned
VAXXAV	Canada	5	1528583	5/20/2011	N/A	N/A	Pharmaceutical preparations	Abandoned
VAXXAV	China (Madrid)	5	1079475 (IR)	5/19/2011	1079475 (IR)	5/19/2011 (Granted 11/21/2011)	Pharmaceutical preparations	Abandoned
VAXXAV	European Union (Madrid)	5	1079475 (IR)	5/19/2011	N/A	N/A	Pharmaceutical preparations	Abandoned
VAXXAV	India	5	2148478	5/23/2011	2148478	5/23/2011 (issued 10/25/2013)	Pharmaceutical preparations	Registered (to be abandoned)
VAXXAV	Indonesia	5	D002011022161	6/6/2011	N/A	N/A	Pharmaceutical preparations	Abandoned
VAXXAV	International Registration (Madrid)	5	1079475 (US Ref.: A0024659)	5/19/2011	1079475	5/19/2011	Pharmaceutical preparations	Abandoned
	Designating							

Mark	Jurisdiction	Class	Application No.	Application Date	Registration No.	Registration Date	Goods/Services	Status
VXXXAV	Israel (Madrid)	5	1079475 (IR)	5/19/2011	N/A	N/A	Pharmaceutical preparations	Abandoned
VXXXAV	Japan (Madrid)	5	1079475 (IR)	5/19/2011	1079475 (IR)	5/19/2011	Pharmaceutical preparations	Abandoned
VXXXAV	Korea (Madrid)	5	1079475 (IR)	5/19/2011	1079475 (IR)	5/19/2011	Pharmaceutical preparations	Abandoned
VXXXAV	Mexico	5	1181395	5/26/2011	1247733	11/1/2011	Pharmaceutical preparations	Registered (to be abandoned)
VXXXAV	New Zealand	5	842299	5/20/2011	842299	12/8/2010	Pharmaceutical preparations	Registered (to be abandoned)
VXXXAV	Norway (Madrid)	5	1079475 (IR)	5/19/2011	1079475 (IR)	2/3/2012	Pharmaceutical preparations	Abandoned
VXXXAV	Russia (Madrid)	5	1079475 (IR)	5/19/2011	1079475 (IR)	2/3/2012	Pharmaceutical preparations	Abandoned
VXXXAV	Singapore (Madrid)	5	1079475 (IR)	5/19/2011	1079475 (IR)	2/3/2012	Pharmaceutical preparations	Abandoned
VXXXAV	South Africa	5	2011/1/2083	5/24/2011	N/A	N/A	Pharmaceutical preparations	Abandoned
VXXXAV	Switzerland (Madrid)	5	1079475 (IR)	5/19/2011	1079475 (IR)	2/3/2012	Pharmaceutical preparations	Abandoned
VXXXAV	Turkey (Madrid)	5	1079475 (IR)	5/19/2011	1079475 (IR)	2/3/2012	Pharmaceutical preparations	Abandoned
VXXXAV	Ukraine (Madrid)	5	1079475 (IR)	5/19/2011	1079475 (IR)	2/3/2012	Pharmaceutical preparations	Abandoned
VXXXAV	United States of America	5	85/192,973	12/8/2010	N/A	N/A	Pharmaceutical preparations for the prevention and treatment of hepatitis B virus infection	Abandoned
XTBEA	United States of America	5	85/119,127	8/30/2010	N/A	N/A	Pharmaceutical preparations	Abandoned
XTBEA	United States of America	5	85/522,416	1/23/2012	N/A	N/A	Pharmaceutical preparations	Abandoned
ZELIVAX	United States of America	5	85/522,423	1/23/2012	N/A	N/A	Pharmaceutical preparations	Abandoned

Mark	Jurisdiction	Class	Application No.	Application Date	Registration No.	Registration Date	Goods/Services	Status
ZELVAX	United States of America	5	85/119,132	8/30/2010	N/A	N/A	Pharmaceutical preparations	Abandoned

Oppositions/Cancellations

Proceeding	Jurisdiction	Class	Application/ Registration No.	Application Date	Opposition No.	Opposition Date	Goods and Services	Status
Lupin Limited (HEPP, HEPP FORTE, HEPP FORTE (Sylized)) v. Dynavax Technologies Corporation (HEPLISAV-B)	India	5	2475820	2/11/2013	MUM-820371	10/21/2014	Vaccines	Pending
Lupin Limited (HEPP, HEPP FORTE, HEPP FORTE (Sylized)) v. Dynavax Technologies Corporation (HEPLISAV)	India	5	2280326	2/9/2012	MUM-831790	4/27/2015	Vaccines	Pending
Opko Health Spain, S.L.U. v. Dynavax Technologies Corporation (DYNAVAX INNOVATING IMMUNOLOGY & Design)	European Community	5, 42	14251664	6/15/2015	B002584715	9/24/2015	Class 5 – Pharmaceutical preparations for the treatment and prevention of allergies, infectious diseases, cancer, chronic inflammatory diseases, autoimmune diseases, rheumatoid arthritis, Crohn's disease, asthma, chronic viral infections; vaccines Class 42 – Pharmaceutical and biological research, testing and product development consultation; pharmaceutical and biological research, testing and product development for others; vaccine research and development	Pending
Opko Health Spain, S.L.U. v. Dynavax Technologies Corporation (DYNAVAX)	European Community	5	16215071	12/29/2016	B002875915	4/10/2017	Class 5 – Pharmaceutical preparations; Vaccines; Pharmaceutical preparations for treating allergies; Pharmaceutical preparations for the prevention of allergies; Pharmaceutical preparations for the treatment of infectious diseases; Pharmaceutical preparations and substances for the prevention of cancer; Pharmaceutical preparations and substances for the treatment of cancer; Pharmaceutical preparations for the prevention of inflammatory diseases; Pharmaceutical preparations for the treatment of inflammatory diseases; Pharmaceutical preparations for the prevention of autoimmune diseases; Pharmaceutical preparations for the prevention of autoimmune diseases; Pharmaceutical preparations for treating rheumatological diseases; Pharmaceutical	Pending

Preceding	Jurisdiction	Class	Application/ Registration No.	Application Date	Opposition No.	Opposition Date	Goods and Services	Status
							preparations for treating arthritis; Pharmaceutical preparations for treating asthma; Pharmaceutical preparations for the treatment of viral diseases	

TRADEMARK
REEL: 006277 FRAME: 0587

RECORDED: 02/22/2018