

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ABB SCHWEIZ AG	02/07/2020
RECEIVING PARTY DATA	
Name:	ABB POWER ELECTRONICS INC.
Street Address:	601 SHILOH ROAD
City:	PLANO
State/Country:	TEXAS
Postal Code:	75074
PROPERTY NUMBERS Total: 10	
Property Type	Number
Application Number:	15657786
Application Number:	15786783
Application Number:	15888847
Application Number:	15946151
Application Number:	15948383
Application Number:	16000492
Application Number:	16186583
Application Number:	16186846
Application Number:	16428879
Application Number:	16512351
CORRESPONDENCE DATA	
Fax Number:	(317)231-7433
<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:	3172361313
Email:	indocket@btlaw.com
Correspondent Name:	BARNES & THORNBURG LLP
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Address Line 4:	INDIANAPOLIS, INDIANA 46204
ATTORNEY DOCKET NUMBER:	65040-50

NAME OF SUBMITTER:	JOSHUA P. LARSEN
SIGNATURE:	/Joshua P. Larsen/
DATE SIGNED:	04/16/2020
Total Attachments: 9 source=Assignment-Back-Agreement-Legacy_signed#page1.tif source=Assignment-Back-Agreement-Legacy_signed#page2.tif source=Assignment-Back-Agreement-Legacy_signed#page3.tif source=Assignment-Back-Agreement-Legacy_signed#page4.tif source=Assignment-Back-Agreement-Legacy_signed#page5.tif source=Assignment-Back-Agreement-Legacy_signed#page6.tif source=Assignment-Back-Agreement-Legacy_signed#page7.tif source=Assignment-Back-Agreement-Legacy_signed#page8.tif source=Assignment-Back-Agreement-Legacy_signed#page9.tif	

ASSIGNMENT DEED

WHEREAS, **ABB Schweiz AG**, a corporation organized and existing under the laws of Switzerland, having its principal place of business at Brown Boveri Strasse 6, 5400 Baden, Switzerland (hereinafter called the ASSIGNOR), is the legal proprietor of Patent(s) and Patent Application(s), Design(s) and Design Application(s) identified and listed on Annex A hereto;

WHEREAS, **ABB Power Electronics Inc.**, a corporation organized and existing under the laws of Nevada, USA, having its principal place of business at 601 Shiloh Road, Plano, Texas 75074 USA (hereinafter called the ASSIGNEE), is desirous of taking over legal title to the aforesaid Patent(s) and Patent Application(s), Design(s) and Design Application(s); and

WHEREAS ASSIGNOR and ASSIGNEE intended the aforesaid Patent(s) and Patent Application(s), Design(s) and Design Application(s) to be acquired by ASSIGNEE from General Electric Company (and related entities) in 2018, but the aforesaid Patent(s) and Patent Application(s), Design(s) and Design Application(s) were instead unintentionally assigned to ASSIGNOR from General Electric Company (and related entities);

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, the ASSIGNOR hereby assigns to the ASSIGNEE, its successors and assigns, and the ASSIGNEE hereby accepts, the entire right, title and interest in and to the aforesaid Patent(s) and Patent Application(s), Design(s) and Design Application(s) and any divisions, continuations, continuations-in-part, requests for continuing examinations, renewals, reissues, reexaminations, patent cooperation treaty equivalents and foreign counterparts and extensions thereof, including all emoluments, advantages, profits and benefits accruing or belonging thereto, including the right to sue for past infringement(s) thereof, and all patents or patent applications, designs or design applications to which any of the aforesaid Patent(s) and Patent Application(s), Design(s) and Design Application(s) directly or indirectly claims priority or for which any of the aforesaid Patent(s) and Patent Application(s), Design(s) and Design Application(s) directly or indirectly forms a basis for priority, including all emoluments, advantages, profits and benefits accruing or belonging thereto, including the right to sue for past infringement(s) thereof.

The ASSIGNOR hereby further covenants and agrees that it will communicate to the ASSIGNEE any and all facts known to it respecting the aforesaid Patent(s) and Patent Application(s), Design(s) and Design Application(s), and testify in any legal proceeding, sign all lawful papers, execute and deliver all papers and take any actions that may be necessary or desirable to perfect the title to any of the aforesaid Patent(s) and Patent Application(s), Design(s) and Design Application(s), execute all divisions, continuations, reexaminations, reissues, substitutes and other required applications, and make all rightful oaths and generally do everything possible to aid the ASSIGNEE to obtain and enforce proper patent protection for said Patent(s) and Patent Application(s), Design(s) and Design Application(s) in all countries.

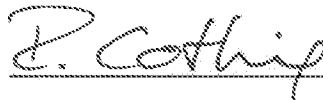
The ASSIGNOR consents to the ASSIGNEE'S proceeding with the aforesaid Patent Application(s) and Design Application(s) in its own name in substitution of the ASSIGNOR, and the said ASSIGNOR agrees to do all that may be required to put the foregoing into effect.

For ASSIGNOR:

Signature: 

Name: Elisabeth Egli
EL Business R&D Controller

Date: 7.2.2020

Signature: 

Name: Rene Cotting
Managing Director

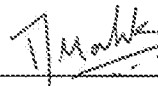
Date: 7.2.2020

For ASSIGNEE:

Signature: 

Name: Jeff Schnitzer
President

Date: 12/2/2020

Signature: 

Name: Tabrez Malik
Director

Date: 02/12/2020

ANNEX A

Country Code	Application Number	Filed Date	Patent or Grant Number (if applicable)	Granted Date (if applicable)
CN	200510126731.1	11/21/2005	1972097B	7/6/2011
CN	200510131716.6	12/13/2005	1984540B	5/5/2010
CN	200710306198.6	12/4/2007	101255883B	3/27/2013
CN	200780008238.7	2/2/2007	101401052B	2/9/2011
CN	200910224522.9	11/17/2009	101741253B	12/17/2014
CN	200910246828.4	10/30/2009	102055342B	11/25/2015
CN	201110002467.6	1/7/2011	102122889B	9/23/2015
CN	201110198561.3	6/2/2011	102810991B	9/15/2017
CN	201110239948.9	7/13/2011	102332813B	5/13/2015
CN	201110293979.2	9/28/2011	102545596B	10/21/2015
CN	201110308786.X	10/31/2011	103051214B	3/2/2016
CN	201110317618.7	10/19/2011	102545570B	5/20/2015
CN	201210146195.1	5/11/2012	102857130B	5/27/2015
CN	201210146207.0	5/11/2012	102857095B	4/1/2015
CN	201210158946.1	5/21/2012	102801297B	8/3/2016
CN	201210211527.X	6/21/2012	102843037B	12/17/2014
CN	201310001189.1	1/4/2013	103199676B	7/11/2017
CN	201310047386.7	2/6/2013	103247415B	6/13/2017
CN	201310517148.8	10/28/2013	104578794B	3/2/2018
CN	201310597801.6	11/22/2013	104659858B	4/12/2017
CN	201310692774.0	12/17/2013	104716837B	6/15/2018
CN	201310708340.5	12/20/2013	104051143B	1/4/2017
CN	201310741471.3	12/27/2013	103915761B	5/29/2018
CN	201410074122.5	3/3/2014	104022413B	12/22/2017
CN	201410093338.6	3/14/2014	104051131B	6/20/2017
CN	201410093373.8	3/14/2014	104051132B	11/17/2017
CN	201410094372.5	3/14/2014	104053309B	5/15/2018
CN	201410096700.5	3/17/2014	104052291B	11/15/2019
CN	201410096783.8	3/17/2014	104052297B	12/8/2017
CN	201410035604.X	1/24/2014	103974593B	11/13/2018
CN	201410118363.5	3/27/2014	104078194B	10/13/2017
CN	201480012843.1	3/4/2014	105122619B	5/8/2018
CN	201480012913.3	3/4/2014	105122736B	4/2/2019
CN	201480016119.6	3/4/2014	105122630B	3/1/2019
CN	201480016249.X	3/13/2014	105518810B	2/16/2018
CN	201510176763.6	4/14/2015	104977998B	11/1/2019
CN	201510734948.4	11/3/2015		
CN	201511035929.9	12/1/2015		
CN	201610075335.9	2/3/2016		

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CN	201610185818.4	1/15/2016		
CN	201610825740.8	9/14/2016		
CN	201710474466.9	6/21/2017		
CN	201710651662.9	8/2/2017		
CN	201810078289.7	1/26/2018		
CN	201810244194.8	3/23/2018		
CN	201810244195.2	3/23/2018		
DE	112014001148.7	9/2/2015		
DE	112014001158.4	9/4/2015		
DE	112014001392.7	9/9/2015		
DE	112014001409.5	9/10/2015		
DE	102015118760.4	11/9/2015		
DE	102016100170.8	1/5/2016		
DE	102017113721.1	6/21/2017		
DE	102018106603.1	3/21/2018		
DE	102018106605.8	3/21/2018		
EP	10169014.7	7/9/2010		
EP	11150331.4	1/6/2011		
EP	15195582.0	11/20/2015		
EP	16153117.3	1/28/2016	3054573	9/25/2019
IN	2540/DEL/2007	12/4/2007	320336	9/12/2019
JP	2008-553382	2/2/2007	5242417	4/12/2013
KR	1020150169168	11/30/2015		
MX	MX/A/2010/007636	7/12/2010	318914	3/31/2014
PCT	PCT/CN2019/089924	6/4/2019		
TW	104137892	11/17/2015		
US	08/946963	10/8/1997	5877611	3/2/1999
US	09/005124	1/12/1998	5969503	10/19/1999
US	09/056002	4/6/1998	6091610	7/18/2000
US	09/065807	4/23/1998	6011703	1/4/2000
US	09/072370	5/4/1998	6069799	5/30/2000
US	09/098281	6/16/1998	5917312	6/29/1999
US	09/115487	7/14/1998	5940287	8/17/1999
US	09/141820	8/28/1998	6060867	5/9/2000
US	09/158671	9/22/1998	6175500	1/16/2001
US	09/160978	9/25/1998	6094123	7/25/2000
US	09/176690	10/21/1998	6091616	7/18/2000
US	09/184753	11/2/1998	6264093	7/24/2001
US	09/203439	12/1/1998	6163204	12/19/2000
US	09/203444	12/1/1998	6078511	6/20/2000
US	09/207450	12/8/1998	6163266	12/19/2000

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US	09/219213	12/22/1998	6282073	8/28/2001
US	09/232444	1/15/1999	6134122	10/17/2000
US	09/244673	2/4/1999	6181561	1/30/2001
US	09/247005	2/8/1999	6130830	10/10/2000
US	09/250938	2/18/1999	6104584	8/15/2000
US	09/259772	3/1/1999	6201699	3/13/2001
US	09/286856	4/6/1999	6075716	6/13/2000
US	09/288749	4/8/1999	6310301	10/30/2001
US	09/288750	4/8/1999	6189203	2/20/2001
US	09/289686	4/9/1999	6144557	11/7/2000
US	09/303875	5/3/1999	6137292	10/24/2000
US	09/323185	5/28/1999	6396317	5/28/2002
US	09/338144	6/22/1999	6124701	9/26/2000
US	09/343773	6/30/1999	6411911	6/25/2002
US	09/348906	7/7/1999	7402892	7/22/2008
US	09/350840	7/9/1999	6141231	10/31/2000
US	09/354980	7/16/1999	6169649	1/2/2001
US	09/360563	7/26/1999	6181577	1/30/2001
US	09/360679	7/26/1999	6058026	5/2/2000
US	09/374217	8/13/1999	6249447	6/19/2001
US	09/383343	8/26/1999	6130828	10/10/2000
US	09/395149	9/15/1999	6069807	5/30/2000
US	09/397991	9/16/1999	6163466	12/19/2000
US	09/401728	9/22/1999	6178098	1/23/2001
US	09/404135	9/22/1999	6362517	3/26/2002
US	09/408718	9/29/1999	6101111	8/8/2000
US	09/415200	10/7/1999	6163470	12/19/2000
US	09/425140	10/21/1999	6104623	8/15/2000
US	09/426230	10/22/1999	6194880	2/27/2001
US	09/449047	11/24/1999	6191564	2/20/2001
US	09/454274	12/3/1999	6191569	2/20/2001
US	09/465509	12/16/1999	6160379	12/12/2000
US	09/469672	12/22/1999	6130529	10/10/2000
US	09/469693	12/22/1999	6201719	3/13/2001
US	09/481264	1/11/2000	6191559	2/20/2001
US	09/518527	3/4/2000	6351396	2/26/2002
US	09/544827	4/6/2000	6519538	2/11/2003
US	09/552811	4/20/2000	6342778	1/29/2002
US	09/553939	4/21/2000	6169671	1/2/2001
US	09/563977	5/3/2000	6438007	8/20/2002
US	09/567372	5/9/2000	6191960	2/20/2001

Country Code	Application Number	Filed Date	Patent or Grant Number (if applicable)	Granted Date (if applicable)
US	09/568020	5/10/2000	6436570	8/20/2002
US	09/568107	5/10/2000	6401946	6/11/2002
US	09/596163	6/16/2000	6781497	8/24/2004
US	09/602416	6/23/2000	6239993	5/29/2001
US	09/607501	6/28/2000	RE37738	6/11/2002
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US	09/609186	6/30/2000	6453106	9/17/2002
US	09/617618	7/17/2000	6288920	9/11/2001
US	09/628266	7/28/2000	6218891	4/17/2001
US	09/638183	7/31/2000	6396725	5/28/2002
US	09/682143	7/26/2001	6700769	3/2/2004
US	09/756034	1/6/2001	6437547	8/20/2002
US	09/780187	2/9/2001	6496396	12/17/2002
US	09/848756	5/3/2001	6678138	1/13/2004
US	09/894328	6/28/2001	6445597	9/3/2002
US	09/961492	9/22/2001	6727794	4/27/2004
US	10/004420	11/2/2001	6606258	8/12/2003
US	10/004604	11/1/2001	6927667	8/9/2005
US	10/057326	10/25/2001	6646895	11/11/2003
US	10/187639	7/2/2002	6693811	2/17/2004
US	10/190466	7/5/2002	6875054	4/5/2005
US	10/217011	8/12/2002	6693812	2/17/2004
US	10/218927	8/14/2002	6845015	1/18/2005
US	10/219713	8/15/2002	6936372	8/30/2005
US	10/293835	11/13/2002	6643122	11/4/2003
US	10/373418	2/24/2003	6882548	4/19/2005
US	10/393166	3/20/2003	7187531	3/6/2007
US	10/632256	8/1/2003	6822882	11/23/2004
US	10/654217	9/3/2003	7095638	8/22/2006
US	10/695593	10/28/2003	7009849	3/7/2006
US	10/723844	11/26/2003	7189047	3/13/2007
US	10/783073	2/20/2004	7180397	2/20/2007
US	10/801728	3/16/2004	7221140	5/22/2007
US	10/801778	3/16/2004	7082043	7/25/2006
US	10/801788	3/16/2004	7129677	10/31/2006
US	10/853456	5/25/2004	7852635	12/14/2010
US	11/033195	1/11/2005	7372711	5/13/2008
US	11/089597	3/25/2005	7196919	3/27/2007
US	11/089780	3/25/2005	7492616	2/17/2009
US	11/098715	4/4/2005	7270176	9/18/2007
US	11/109510	4/19/2005	7732944	6/8/2010

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US	11/125666	5/10/2005	7256984	8/14/2007
US	11/140315	5/27/2005	7342811	3/11/2008
US	11/147730	6/8/2005	7492607	2/17/2009
US	11/212550	8/27/2005	7271695	9/18/2007
US	11/299573	12/12/2005	7656265	2/2/2010
US	11/315545	12/22/2005	7567440	7/28/2009
US	11/356701	2/17/2006	7432688	10/7/2008
US	11/452557	6/13/2006	7551425	6/23/2009
US	11/532432	9/15/2006	8270572	9/18/2012
US	11/558004	11/9/2006	7432692	10/7/2008
US	11/559928	11/15/2006	7304862	12/4/2007
US	11/566536	12/4/2006	8789856	7/29/2014
US	11/954604	12/12/2007	7830684	11/9/2010
US	12/058437	3/28/2008	8275559	9/25/2012
US	12/212626	9/17/2008	8150540	4/3/2012
US	12/250610	10/14/2008	7953576	5/31/2011
US	12/257363	10/23/2008	7796404	9/14/2010
US	12/273542	11/19/2008	8564976	10/22/2013
US	12/372659	2/17/2009	8193661	6/5/2012
US	12/404180	3/13/2009	8148948	4/3/2012
US	12/503706	7/15/2009	8000076	8/16/2011
US	12/775796	5/7/2010	8427815	4/23/2013
US	12/775882	5/7/2010	8154856	4/10/2012
US	12/775915	5/7/2010	8174821	5/8/2012
US	12/778563	5/12/2010	8193864	6/5/2012
US	12/831478	7/7/2010	8686592	4/1/2014
US	12/950545	11/19/2010	8547711	10/1/2013
US	12/966613	12/13/2010	8797011	8/5/2014
US	13/035521	2/25/2011	8737024	5/27/2014
US	13/036233	2/28/2011	8647159	2/11/2014
US	13/086031	4/13/2011	8816649	8/26/2014
US	13/170559	6/28/2011	8792254	7/29/2014
US	13/170614	6/28/2011	8681513	3/25/2014
US	13/176022	7/5/2011	8829865	9/9/2014
US	13/193429	7/28/2011	9093859	7/28/2015
US	13/218938	8/26/2011	9083242	7/14/2015
US	13/313366	12/7/2011	8836164	9/16/2014
US	13/343216	1/4/2012	8971074	3/3/2015
US	13/358829	1/26/2012	8743566	6/3/2014
US	13/366598	2/6/2012	8917524	12/23/2014
US	13/404760	2/24/2012	9106129	8/11/2015

Country Code	Application Number	Filed Date	Patent or Grant Number (if applicable)	Granted Date (if applicable)
US	13/415391	3/8/2012	8797718	8/5/2014
US	13/460669	4/30/2012	8384483	2/26/2013
US	13/461172	5/1/2012	9722421	8/1/2017
US	13/461303	5/1/2012	9007793	4/14/2015
US	13/461348	5/1/2012	9722422	8/1/2017
US	13/474578	5/17/2012	8929106	1/6/2015
US	13/491673	6/8/2012	8913406	12/16/2014
US	13/562943	7/31/2012	9281753	3/8/2016
US	13/649743	10/11/2012	9291683	3/22/2016
US	13/650988	10/12/2012	9426901	8/23/2016
US	13/654253	10/17/2012	9320151	4/19/2016
US	13/726585	12/25/2012	9236804	1/12/2016
US	13/784833	3/5/2013	9231486	1/5/2016
US	13/785154	3/5/2013	9373964	6/21/2016
US	13/785334	3/5/2013	9350175	5/24/2016
US	13/787733	3/6/2013	9178359	11/3/2015
US	13/836313	3/15/2013	9397462	7/19/2016
US	13/836841	3/15/2013	9438027	9/6/2016
US	13/839519	3/15/2013	8970339	3/3/2015
US	13/839778	3/15/2013	9053845	6/9/2015
US	13/842074	3/15/2013	9398715	7/19/2016
US	14/061250	10/23/2013	9398701	7/19/2016
US	14/102126	12/10/2013	9491895	11/8/2016
US	14/189154	2/25/2014	9548670	1/17/2017
US	14/195594	3/3/2014	10333299	6/25/2019
US	14/196284	3/4/2014	9548871	1/17/2017
US	14/196779	3/4/2014	9171665	10/27/2015
US	14/197529	3/5/2014	9608513	3/28/2017
US	14/206560	3/12/2014	9991043	6/5/2018
US	14/206743	3/12/2014	9520790	12/13/2016
US	14/218093	3/18/2014	9171667	10/27/2015
US	14/252304	4/14/2014	9723742	8/1/2017
US	14/306061	6/16/2014	9035736	5/19/2015
US	14/509751	10/8/2014	9746305	8/29/2017
US	14/514824	10/15/2014	9595878	3/14/2017
US	14/535348	11/7/2014	9685860	6/20/2017
US	14/552525	11/25/2014	9490634	11/8/2016
US	14/557061	12/1/2014	9844136	12/12/2017
US	14/598332	1/16/2015	9374926	6/21/2016
US	14/612956	2/3/2015	9374001	6/21/2016
US	14/615069	2/5/2015	9746502	8/29/2017

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US	14/643765	3/10/2015	9729055	8/8/2017
US	14/856111	9/16/2015	9787091	10/10/2017
US	15/188681	6/21/2016	10356906	7/16/2019
US	15/231392	8/8/2016	10028392	7/17/2018
US	15/290488	10/11/2016	10130000	11/13/2018
US	15/657786	7/24/2017		
US	15/705827	9/15/2017	10193457	1/29/2019
US	15/729759	10/11/2017	10374421	8/6/2019
US	15/782454	10/12/2017	10374422	8/6/2019
US	15/786783	10/18/2017		
US	15/888847	2/5/2018		
US	15/946151	4/5/2018		
US	15/948383	4/9/2018		
US	16/000492	6/5/2018		
US	16/186583	11/12/2018		
US	16/186846	11/12/2018		
US	16/428879	5/31/2019		
US	16/447456	6/20/2019		
US	16/512351	7/15/2019		
US	29/449680	3/15/2013	D702197	4/8/2014
US	29/449716	3/15/2013	D702650	4/15/2014
US	29/449755	3/15/2013	D702651	4/15/2014
US	29/450105	3/15/2013	D702652	4/15/2014