

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	01/07/2021
RECEIVING PARTY DATA	
Name:	ABB SCHWEIZ AG
Street Address:	BRUGGERSTRASSE 66
City:	BADEN
State/Country:	SWITZERLAND
Postal Code:	5400
Name:	ABB POWER GRIDS SWITZERLAND AG
Street Address:	BRUGGERSTRASSE 72
City:	BADEN
State/Country:	SWITZERLAND
Postal Code:	5400
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16772771
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	756680
NAME OF SUBMITTER:	ELIAS P. SOUPOS
SIGNATURE:	/Elias P. Soupos/
DATE SIGNED:	06/15/2022

Total Attachments: 17

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**CORRECTIVE PATENT ASSIGNMENT AGREEMENT
FOR CO-OWNED PATENTS**

PARTIES

- (1) ABB Schweiz AG, Group Technology Management (CHTET) of Bruggerstrasse 66, CH-5400 Baden, Switzerland, registered under company number CHE-101.538.426 (*ABB*); and
- (2) ABB Power Grids Switzerland AG (CHTEC) of Bruggerstrasse 72, CH-5400 Baden, Switzerland, registered under company number CHE-424.543.670 (*PG*)

(each a *party* and together, the *parties*)

WHEREAS:

- (A) *ABB* is the sole owner and proprietor of certain patents and patent applications identified and listed on Annex A hereto (*Co-Owned Patents*);
- (B) *PG* is desirous of acquiring a partial ownership interest in the *Co-Owned Patents* and *ABB* is willing to convey, assign and transfer such interest in the *Co-Owned Patents* to *PG* through the assignment of the *Co-Owned Patents* from *ABB* to *ABB* and *PG* together as co-owners.

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

1. Assignment. *ABB* hereby conveys, sells, assigns and transfers to *ABB* and *PG*, as equal, co-owners, its entire right, title, and interest in and to the aforesaid *Co-Owned Patents* and any and all divisions, continuations, continuations-in-part, requests for continuing examinations, renewals, reissues, reexaminations, foreign counterparts and extensions thereof, and all patents and patent applications to which any of the *Co-Owned Patents* directly or indirectly claim priority or for which any of the *Co-Owned Patents* directly or indirectly forms a basis for priority, together with the right to claim priority to and/or from the *Co-Owned Patents* in any jurisdiction worldwide, and together with the right to use for and be entitled to any damages, injunction relief, and any other remedies of any kind for past and current infringement thereof in respect to any of the same.
2. Successors and Assigns. This assignment is binding upon, and inures to the benefit of, the parties hereto and their respective legal representatives, successors and assigns.
3. Recordation of Assignments. Upon reasonable request by one *party*, the other *party* will execute additional documents and take other actions as may be necessary or desirable to record, or memorialize the assignments of the *Co-Owned Patents* set forth herein, and to vest in *ABB* and *PG* such right, title, and interest in and to the *Co-Owned Patents* as sold, conveyed and transferred to *ABB* and *PG* hereunder.

4. Counterparts. This assignment may be executed in counterparts, each of which shall be deemed an original, but all of which together shall be deemed to be one and the same agreement. A signed copy of this assignment delivered by facsimile, e-mail or other means of electronic transmission shall be deemed to have the same legal effect as delivery of an original signed copy of this assignment.
5. Effective Date: January 7, 2021
6. This Assignment replaces an Assignment which is identical in scope but was undated and for this reason required correction.

IN WITNESS WHEREOF, the parties hereto, through their authorized representatives, have cause this assignment to be duly executed and delivered.

Assignor:

ABB Schweiz AG

By: W. Bredel
 Name: NADJA ZOENKESSEL
 Position: CHTET Op. Controller

By: A. Scharr
 Name: Alexander Scharr
 Position: CHTET local Business Controller

Assignee:

ABB Power Grids Switzerland AG

By: A. J. P.
 Name: Alain J. P.
 Position: Head of IP

By: J. Salje
 Name: Gerhard Salje
 Position: CTO

ABB Schweiz AG

By: W. Bredel
 Name: NADJA ZOENKESSEL
 Position: CHTET Op. Controller

By: A. Scharr
 Name: Alexander Scharr
 Position: CHTET IBA Controller

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ANNEX A

Patent ID	Invention ID	Patent Reference	Invention Reference	Country	Filing Date	Application Number	Date of Grant	Patent Number
83531219	83324711	CH-10127-AR-NP	CH-10127	Argentina	12/13/2011	20110104668		
83547025	83324585	09/054-AP-AFT	09/054	ARIPO	6/12/2009	AP/P/2012/006061	5/29/2015	AP3244
83547075	83325166	09/200-AP-AFT	09/200	ARIPO	6/14/2010	AP/P/2012/006076		
83538944	83324585	09/054-AU-PCT	09/054	Australia	6/12/2009	2009347593	4/30/2015	2009347593
83543862	83325987	09/111-AU-PCT	09/111	Australia	9/29/2009	2009347600	11/6/2014	2009347600
83512256	83325166	09/200-AU-PCT	09/200	Australia	6/14/2010	2010261904	11/6/2014	2010261904
83538745	83324711	CH-10127-AU-PCT[2]	CH-10127	Australia	12/13/2011	2011344232		
85193724	83335448	CH-1624401AU01	CH-1624401	Australia	9/13/2018	2018331966		
83546669	83323643	IT-0144-AU-DIV	IT-0144	Australia	10/27/2000	2005200058 (Division)		
83546666	83323643	IT-0144-AU-DIV[2]	IT-0144	Australia	10/27/2000	2008221581		
83543154	83323643	IT-0144-AU-PCT	IT-0144	Australia	10/27/2000	13902/01		
85265844	84658514	P190125AU01	P190125	Australia	8/3/2020	2020213278		
84898911	83323701	PL-170006AU01	PL-170006	Australia	2/28/2018	2018251134		
84892322	83326578	SE-17061AU01	SE-17061	Australia	6/1/2017	2017417148	4/30/2020	2017417148
83547024	83324585	09/054-BY-EAT	09/054	Belarus	2/14/2009	201270010	9/30/2014	020226
83515274	83324585	09/054-BE-EPT	09/054	Belgium	6/12/2009	09779797.7	10/15/2014	2441075
83545225	83325987	09/111-BE-EPT	09/111	Belgium	9/29/2009	09783555.6	9/3/2014	2443632
85335888	83325166	09/200BE01	09/200	Belgium	6/14/2010	10722374.5	12/16/2020	2443712
83513334	83324711	CH-10127-BE-EPT[2]	CH-10127	Belgium	12/13/2011	11799404.6	9/30/2015	2652752
84638220	83325970	CN-14070BE01	CN-14070	Belgium	6/27/2014	14885843.4	3/6/2019	3161931
83538946	83324585	09/054-BR-PCT	09/054	Brazil	6/12/2009	P10924862-5		
83538953	83325987	09/111-BR-PCT	09/111	Brazil	9/29/2009	P10924857-9		
83555283	83325166	09/200-BR-PCT	09/200	Brazil	6/14/2010	P11014242-8		
83473626	83317201	12/615BR	E11193	Brazil	6/14/2013	112015000967-0		
83537953	83324711	CH-10127-BR-PCT[2]	CH-10127	Brazil	12/13/2011	BR112013014776-8		

Patent ID	Invention ID	Patent Reference	Invention Reference	Country	Filing Date	Application Number	Date of Grant	Patent Number
83555641	83324585	09/054-CA-PCT	09/054	Canada	6/12/2009	2764874	12/18/2018	2,764,874
83537958	83325987	09/111-CA-PCT	09/111	Canada	9/29/2009	2,765,270		
83555723	83325166	09/200-CA-PCT	09/200	Canada	6/14/2010	2,765,459	9/5/2017	2,765,459
83542314	83324711	CH-10127-CA-PCT[2]	CH-10127	Canada	12/13/2011	2821156		
83539919	83323643	IT-0144-CA-PCT	IT-0144	Canada	10/27/2000	2395508		
83537845	83324585	09/054-CL-PCT	09/054	Chile	6/12/2009	3133-2011		
83542828	83325166	09/200-CL-PCT	09/200	Chile	6/14/2010	3197-2011		
83511677	83324585	09/054-CN-PCT	09/054	China	6/12/2009	200980159946.X	11/25/2015	ZL200980159946.X
83510273	83326316	09/093-CN-PCT	09/093	China	9/2/2010	201080040646.2	11/25/2015	ZL201080040646.2
83504402	83325987	09/111-CN-PCD	09/111	China	9/29/2009	201510327609.4	11/28/2017	ZL201510327609.4
83510210	83325987	09/111-CN-PCT	09/111	China	9/29/2009	200980159950.6	7/15/2015	ZL200980159950.6
83512384	83325166	09/200-CN-PCT	09/200	China	6/14/2010	201080037265.9	10/7/2015	ZL201080037265.9
83473627	83317201	12/615CN	E11193	China	6/14/2013	201380038281.3	12/25/2018	ZL201380038281.3
83510344	83324711	CH-10127-CN-PCT[2]	CH-10127	China	12/13/2011	201180067507.3	8/3/2016	201180067507.3
83504234	83319514	CH-14028-CN-UM	CH-14028	China	5/7/2014	201410189675.5		
84293252	83322319	CH-14139CN01	CH-14139	China	12/14/2015	201580067629.0		
84431518	83319561	CH-15063CN01	CH-15063	China	6/8/2016	201680047215.6	8/16/2019	ZL201680047215.6
85193730	83335448	CH-1624401CN01	CH-1624401	China	9/13/2018	201880059767.8		
83512272	83320018	CN-09/013-CN-PCT	CN-09/013	China	7/28/2009	200980160569.1	12/17/2014	CN 102439818 B
83514605	83325316	CN-11030-CN-PCT	CN-11030	China	11/30/2011	201180073551.5	11/9/2016	CN 103814501 B
83503212	83325970	CN-14070-CN-PCT	CN-14070	China	6/27/2014	201480007432.3	11/13/2018	ZL201480007432.3

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Patent ID	Invention ID	Patent Reference	Invention Reference	Country	Filing Date	Application Number	Date of Grant	Patent Number
83512604	83324060	FI-3819-CN-PCT	FI-3819	China	9/10/2007	200780100552.8	9/25/2013	ZL200780100552.8
83502037	83327583	IN-09/009-CN-PCT	IN-09/009	China	12/9/2009	200980161158.4	10/26/2016	ZL200980161158.4
83512051	83327291	IN-09/010-CN-PCT	IN-09/010	China	12/10/2009	200980160851.X	8/3/2016	ZL200980160851.X
83512032	83324738	IN-09/014-CN-PCT	IN-09/014	China	3/18/2010	201080046903.3	6/29/2016	ZL201080046903.3
83512219	83327412	IN-10003-CN-PCT	IN-10003	China	6/28/2010	201080067161.2	4/27/2016	ZL201080067161.2
84959448	84422599	P171411CN01	P171411	China	12/20/2019	201911328470.X		
85181217	84298163	P17613CN01	P17613	China	9/26/2018	201880062726.4		
90019920	84660189	P190054CN01	P190054	China	6/16/2020	202010547515.9		
85265857	84658514	P190125CN01	P190125	China	8/10/2020	202010796886.0		
84898916	83323701	PL-170006CN01	PL-170006	China	2/28/2018	201880038516.1		
84447796	83324186	SE-16222CN01	SE-16222	China	3/14/2018	201810209381.2		
84892325	83326578	SE-17061CN01	SE-17061	China	6/1/2017	201780091430.0		
83512653	83321820	US-0808-CN-PCT	US-0808	China	3/25/2009	200980114908.2	3/26/2014	ZL200980114908.2
83545249	83324585	09/054-CZ-EPT	09/054	Czech Republic	6/12/2009	09779737.7	10/15/2014	2441075
83543863	83325987	09/111-CZ-EPT	09/111	Czech Republic	9/29/2009	09783565.6	9/3/2014	2443632
83547026	83324585	09/054-DK-EPT	09/054	Denmark	6/12/2009	09779737.7	10/15/2014	2441075
83543864	83325987	09/111-DK-EPT	09/111	Denmark	9/29/2009	09783565.6	9/3/2014	2443632
83513335	83324711	CH-10127-DK-EPT[2]	CH-10127	Denmark	12/13/2011	11799404.6	9/30/2015	2652752
84638224	83325970	CN-14070DK01	CN-14070	Denmark	6/27/2014	14885843.4	3/6/2019	3161931
83511842	83324585	09/054-EG-PCT	09/054	Egypt	6/12/2009	PCT 2070/2011	5/22/2014	26677
83537866	83325166	09/200-EG-PCT	09/200	Egypt	6/14/2010	PCT 2113/2011		
83517810	83324585	09/054-EA-EAT	09/054	Eurasian Patent Convention	2/14/2009	201270010	9/30/2014	020226
83547074	83325166	09/200-EA-EAT	09/200	Eurasian Patent Convention	6/14/2010	201270025		
83556856	83324585	09/054-EP-EPT	09/054	European Patent	6/12/2009	09779737.7	10/15/2014	2441075

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83510230	83326316	09/093-EP-EPA	09/093	European Patent	9/7/2009	09169608.8	8/5/2015	2293406
83556858	83325987	09/111-EP-EPT	09/111	European Patent	9/29/2009	09783565.6	9/3/2014	2443632
83503672	83325166	09/200-EP-EPT	09/200	European Patent	6/14/2010	10722374.5	12/16/2020	2443712
83549241	83320094	10207-EP-EPA	10207	European Patent	4/30/2007	07107197.1	10/31/2012	1988672
83473628	83317201	12/615EP	E11193	European Patent	7/16/2012	1.2005218.8-1213	5/23/2018	2688251
83473629	83317201	12/615EP02	E11193	European Patent	6/14/2013	1.3729267.8-1853		
83533609	83324711	CH-10127-EP-EPA	CH-10127	European Patent	12/22/2010	10196645.5		
83534806	83324711	CH-10127-EP-EPA[2]	CH-10127	European Patent	10/7/2011	11184433.8		
83513320	83324711	CH-10127-EP-EPT[2]	CH-10127	European Patent	12/13/2011	11799404.6	9/30/2015	2652752
84293257	83322319	CH-14139EP01	CH-14139	European Patent	12/14/2015	15816415.2	10/31/2018	3230987
84431521	83319561	CH-15063EP01	CH-15063	European Patent	6/8/2016	16729846.2	5/8/2019	3308438
83501721	83319561	CH-15063-EP-EPA	CH-15063	European Patent	6/9/2015	15171201.5		
84362715	83335448	CH-1624401EP01	CH-1624401	European Patent	9/14/2017	17191155.5		
85193736	83335448	CH-1624401EP02	CH-1624401	European Patent	9/13/2018	18769359.3		
83553496	83320018	CN-09/013-EP-EPT	CN-09/013	European Patent	7/28/2009	09847699.7	1/6/2016	2460258
83504067	83325316	CN-11030-EP-EPT	CN-11030	European Patent	11/30/2011	11876426.5	1/3/2018	2745380
83555846	83325970	CN-14070-EP-EPT	CN-14070	European Patent	6/27/2014	14885843.4	3/6/2019	3161931
83555861	83324060	FI-3819-EP-EPT	FI-3819	European Patent	9/10/2007	07826323.3	6/19/2019	2186025
83515752	83327583	IN-09/009-EP-EPT	IN-09/009	European Patent	12/9/2009	09796799.6	4/20/2016	2445605
83513516	83327291	IN-09/010-EP-EPT	IN-09/010	European Patent	12/10/2009	09796447.2	4/20/2016	2438740
83547746	83324738	IN-09/014-EP-EPT	IN-09/014	European Patent	3/18/2010	2010713705		
83499560	83327412	IN-10003-EP-EPT	IN-10003	European Patent	6/28/2010	10734814.6	1/9/2019	2553786
83535881	83323643	IT-0144-EP-EPA	IT-0144	European Patent	12/23/1999	99204501.3	8/16/2006	1111639
83501217	83324910	IT-13002-EP-EPA	IT-13002	European Patent	1/3/2013	13150114.0	9/26/2018	2752674
84604726	84422599	P171411EP01	P171411	European Patent	12/21/2018	18214950.6		
84347468	84298163	P17613EP01	P17613	European Patent	9/26/2017	17193186.8	4/15/2020	3461038
84489725	84347421	P17875EP01	P17875	European Patent	3/28/2018	18164517.7		

Patent ID	Invention ID	Patent Reference	Invention Reference	Country	Filing Date	Application Number	Date of Grant	Patent Number
84603440	84470304	P180246EP01	P180246	European Patent	2/22/2019	19158755.9		
84901885	84654127	P181575EP01	P181575	European Patent	11/6/2020	20206280.8		
90019896	84660189	P190054EP01	P190054	European Patent	6/17/2020	20180527.2		
84844856	84658514	P190125EP01	P190125	European Patent	8/8/2019	19190884.7		
84887207	84843869	P190630EP01	P190630	European Patent	12/2/2019	19212967.4		
85069779	84875573	P190902EP01	P190902	European Patent	9/9/2020	20195279.3		
84898921	83323701	PL-170006EP01	PL-170006	European Patent	2/28/2018	18711816.1		
83498666	83323701	PL-170006-EP-EPA	PL-170006	European Patent	4/10/2017	17460021.3		
83498647	83324186	SE-16222-EP-EPA	SE-16222	European Patent	3/14/2017	17160732.8		
84892328	83326578	SE-17061EP01	SE-17061	European Patent	6/1/2017	17728172.2		
83504050	83321820	US-0808-EP-EPT	US-0808	European Patent	3/25/2009	09725018-7	7/4/2018	2269080
83545250	83324585	09/054-FI-EPT	09/054	Finland	6/12/2009	09779737.7	10/15/2014	2441075
83543865	83325987	09/111-FI-EPT	09/111	Finland	9/29/2009	09783565.6	9/3/2014	2443632
83509806	83320094	10207-FI-EPA	10207	Finland	4/30/2007	07107197.1	10/31/2012	1988672
83513402	83320018	CN-09/013-FI-EPT	CN-09/013	Finland	7/28/2009	09847699.7	1/6/2016	2460258
84437956	83325316	CN-11030FI01	CN-11030	Finland	11/30/2011	11876426.5	1/3/2018	2745380
84862997	83324060	FI-3819FI01	FI-3819	Finland	9/10/2007	07826323.3	6/19/2019	2186025
83516638	83327583	IN-09/009-FI-EPT	IN-09/009	Finland	12/9/2009	09796799.6	4/1/2016	2446605
83499715	83327291	IN-09/010-FI-EPT	IN-09/010	Finland	12/10/2009	09796447.2	4/20/2016	2438740
84719900	83327412	IN-10003FI01	IN-10003	Finland	6/28/2010	10734814.6	1/9/2019	2553786
90008274	84298163	P17613FI01	P17613	Finland	9/26/2017	17193186.8	4/15/2020	3461038
84650741	83321820	US-0808FI01	US-0808	Finland	3/25/2009	09725018-7	7/4/2018	2269080
83514011	83324585	09/054-FR-EPT	09/054	France	6/12/2009	09779737.7	10/15/2014	2441075
83509409	83326316	09/093-FR-EPA	09/093	France	9/7/2009	09169608.8	8/5/2015	2293406
83515270	83325987	09/111-FR-EPT	09/111	France	9/29/2009	09783565.6	9/3/2014	2443632
85335893	83325166	09/200FR01	09/200	France	6/14/2010	10722374.5	12/16/2020	2443712
83509807	83320094	10207-FR-EPA	10207	France	4/30/2007	07107197.1	10/31/2012	1988672

Patent ID	Invention ID	Patent Reference	Invention Reference	Country	Filing Date	Application Number	Date of Grant	Patent Number
83515620	83324711	CH-10127-FR-EPT[2]	CH-10127	France	12/13/2011	11799404.6	9/30/2015	2552752
84633585	83322319	CH-14139FR01	CH-14139	France	12/14/2015	15816415.2	10/31/2018	3230987
84707266	83319561	CH-15063FR01	CH-15063	France	6/8/2016	16729846.2	5/8/2019	3308438
83513403	83320018	CN-09/013-FR-EPT	CN-09/013	France	7/28/2009	09847699.7	1/6/2016	2460258
84437959	83325316	CN-11030FR01	CN-11030	France	11/30/2011	11876426.5	1/3/2018	2745380
84638228	83325970	CN-14070FR01	CN-14070	France	6/27/2014	14885843.4	3/6/2019	3161931
84863000	83324060	FI-3819FR01	FI-3819	France	9/10/2007	07826323.3	6/19/2019	2185025
83515664	83327583	IN-09/009-FR-EPT	IN-09/009	France	12/9/2009	09796799.6	4/1/2016	2446605
83499648	83327291	IN-09/010-FR-EPT	IN-09/010	France	12/10/2009	09796447.2	4/20/2016	2438740
84719904	83327412	IN-10003FR01	IN-10003	France	6/28/2010	10734814.6	1/9/2019	2553786
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84602184	83324910	IT-13002FR01	IT-13002	France	1/3/2013	13150114.0	9/26/2018	2752674
90008284	84298163	P17613FR01	P17613	France	9/26/2017	17193186.8	4/15/2020	3461038
84650745	83321820	US-0808FR01	US-0808	France	3/25/2009	09725018-7	7/4/2018	2269080
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83515275	83324585	09/054-DE-EPT	09/054	Germany (Federal Republic of)	6/12/2009	09779737.7	10/15/2014	9
83502815	83324585	09/054-DE-PCT	09/054	Germany (Federal Republic of)	6/12/2009	112009002045.3		
83547028	83324585	09/054-DE-UM	09/054	Germany (Federal Republic of)	3/7/2011	202009018239.8	6/1/2011	202009018239
83516989	83324585	09/054-DE-UM[2]	09/054	Germany (Federal Republic of)	2/11/2011	202009018213.4	6/9/2011	202009018213
83507706	83326316	09/093-DE-EPA	09/093	Germany (Federal Republic of)	9/7/2009	09169608.8	8/5/2015	60 2009 032
83515271	83325987	09/111-DE-EPT	09/111	Germany (Federal Republic of)	9/29/2009	09783565.6	9/3/2014	633.3
83502963	83325987	09/111-DE-PCT	09/111	Germany (Federal Republic of)	9/29/2009	11 2009 004 905.2		2443632
83547034	83325987	09/111-DE-UM	09/111	Germany (Federal Republic of)	2/14/2011	202009018214.2	8/3/2011	202009018214
83335698	83325166	09/200DE01	09/200	Germany (Federal Republic of)	6/14/2010	10722374.5	12/16/2020	2443712
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83507359	83320094	10207-DE-EPA	10207	Germany (Federal Republic of)	4/30/2007	07107197.1	10/31/2012	1988672
83513336	83324711	CH-10127-DE-EPT[2]	CH-10127	Germany (Federal Republic of)	12/13/2011	11799404.6	9/30/2015	602011020200 6
83517417	83319514	CH-14028-DE-UM	CH-14028	Germany (Federal Republic of)	4/15/2014	202014003243.2	5/14/2014	202014003243 2
84632590	83322319	CH-14139DE01	CH-14139	Germany (Federal Republic of)	12/14/2015	15816415.2	10/31/2018	60 2015 019 274
84707269	83319561	CH-15063DE01	CH-15063	Germany (Federal Republic of)	6/8/2016	16729846.2	5/8/2019	60 2016 013 699
83513404	83320018	CN-09/013-DE-EPT	CN-09/013	Germany (Federal Republic of)	7/28/2009	09847699.7	1/6/2016	602009035748 4
84437962	83325316	CN-11030DE01	CN-11030	Germany (Federal Republic of)	11/30/2011	11876426.5	1/3/2018	2745380
84638232	83325970	CN-14070DE01	CN-14070	Germany (Federal Republic of)	6/27/2014	14885843.4	3/6/2019	3161931
84516199	83317201	E11193DE01	E11193	Germany (Federal Republic of)	7/16/2012	602012046527.1	5/23/2018	2688251
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83516639	83327583	IN-09/009-DE-EPT	IN-09/009	Germany (Federal Republic of)	12/9/2009	09796799.6	4/1/2016	2446605
83499647	83327291	IN-09/010-DE-EPT	IN-09/010	Germany (Federal Republic of)	12/10/2009	09796447.2	4/20/2016	2438740
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83508387	83323643	IT-0144-DE-EPA	IT-0144	Germany (Federal Republic of)	12/23/1999	99204501.3	8/16/2006	69932829.2
84602187	83324910	IT-13002DE01	IT-13002	Germany (Federal Republic of)	1/3/2013	13150114.0	9/26/2018	2752674
90008294	84298163	P17613DE01	P17613	Germany (Federal Republic of)	9/26/2017	17193186.8	4/15/2020	3461038
84650749	83321820	US-0808DE01	US-0808	Germany (Federal Republic of)	3/25/2009	09725018-7	7/4/2018	602009053039 9
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83542313	83325987	09/111-IN-PCT	09/111	India	9/29/2009	9274/CHENP/2011		
83502928	83325166	09/200-IN-PCT	09/200	India	6/14/2010	9439/CHENP/2011	8/23/2019	318815
83473630	83317201	12/615IN	E11193	India	6/14/2013	326/DELNP/2015		
83502601	83324711	CH-10127-IN-PCT[2]	CH-10127	India	12/13/2011	4456/CHENP/2013	7/25/2020	342436
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83502047	83320018	CN-09/013-IN-PCT	CN-09/013	India	7/28/2009	9806/CHENP/2011	7/22/2019	316519
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83502145	83325970	CN-14070-IN-PCT	CN-14070	India	6/27/2014	5809/CHENP/2015		
83555634	83324060	FI-3819-IN-PCT	FI-3819	India	9/10/2007	1879/CHENP/2010		
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84336621	83341190	IN-1507001IN01	IN-1507001	India	7/26/2017	201741026545		
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84863006	83324060	FI-3819IT01	FI-3819	Italy	9/10/2007	07826323.3	6/19/2019	2186025
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83539500	83324711	CH-10127-WO-PCT	CH-10127	Patent Cooperation Treaty	12/14/2010	PCT/EP 2010065623		
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83502215	83319561	CH-15063-WO-PCT	CH-15063	Patent Cooperation Treaty	6/8/2016	PCT/EP2016/063055		
84595528	83335448	CH-1624401WO01	CH-1624401	Patent Cooperation Treaty	9/13/2018	PCT/EP2018/074760		
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83551740	83325316	CN-11030-WO-PCT	CN-11030	Patent Cooperation Treaty	11/30/2011	PCT/CN2011/083326 ₆		
83552448	83325970	CN-14070-WO-PCT	CN-14070	Patent Cooperation Treaty	6/27/2014	PCT/CN2014/08103 ₅		
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83542320	83325987	09/111-RU-PCT	09/111	Russian Federation	9/29/2009	2012100744	1/27/2014	2505894
83511869	83325166	09/200-RU-PCT	09/200	Russian Federation	6/14/2010	2012101451	3/27/2015	2545086
83555308	83324711	CH-10127-RU-PCT[2]	CH-10127	Russian Federation	12/13/2011	2013132216	6/8/2017	2621900
83538945	83324585	09/054-SG-PCT	09/054	Singapore	6/12/2009	201109029-7	8/21/2014	176702
83542321	83325987	09/111-SG-PCT	09/111	Singapore	9/29/2009	201109030-5	7/18/2014	176703
83512261	83325166	09/200-SG-PCT	09/200	Singapore	6/14/2010	201109348.1	11/25/2014	177266
83512572	83324585	09/054-ZA-PCT	09/054	South Africa	6/12/2009	2011/08955	3/27/2013	2011/08955
83543861	83325987	09/111-ZA-PCT	09/111	South Africa	9/29/2009	2011-08956	2/27/2013	2011/08956
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