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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GERARDUS JOHANNES KAREL MARIJKE KOOLEN	11/18/2014
JEAN-PIERRE ALBERS-VAN-DER-LINDEN	11/19/2014
LARS PETER BECH	12/08/2014

RECEIVING PARTY DATA

Name:	ABB TECHNOLOGY AG
Street Address:	AFFOLTERNSTRASSE 44
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15875520

CORRESPONDENCE DATA

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ABB INC. TAFT, STETTINIUS & HOLLISTER LL **Correspondent Name:**

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ATTORNEY DOCKET NUMBER:	ABBP-6
NAME OF SUBMITTER:	RHIANNON HOOVER
SIGNATURE:	/Rhiannon Hoover/
DATE SIGNED:	01/25/2018

Total Attachments: 2

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PATENT REEL: 044731 FRAME: 0513 504747290

Attorney Docket No. 0081393-000008

COMBINED DECLARATION AND ASSIGNMENT

(JOINT)

As one of the below na	amed inventors, I hereby declare that this Declaration is directed to:	
(1)	U.S. application number filed on, entitled CHARGER FOR ELECTRIC VEHICLES WITH DISTRIBUTED POWER CONVERTER ARBITRATION; or	
(2)	the attached application entitled CHARGER FOR ELECTRIC VEHICLES WITH DISTRIBUTED POWER CONVERTER ARBITRATION.	
	DECLARATION	
As one of the below na	amed inventors, I further declare that:	
The above-ide	entified application was made or authorized to be made by me.	
I believe that I	am an original joint inventor of a claimed invention in the application.	
I have reviewe	ed and understand the contents of the above-identified application, including the claims.	
	the duty to disclose to the U.S. Patent and Trademark Office all information known to me tability as defined in Title 37, Code of Federal Regulations, § 1.56.	
	owledge that any willful false statement made in this declaration is punishable under e or imprisonment of not more than five (5) years, or both.	
<u>ASSIGNMENT</u>		

THIS ASSIGNMENT, by the undersigned inventors (hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements set forth in the application for Letters Patent of the United States identified above;

WHEREAS, ABB Technology AG, a corporation duly organized under and pursuant to the laws of Switzerland and having a principal place of business at Affolternstrasse 44, CH-8050 Zürich, Switzerland (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all

PATENT REEL: 044731 FRAME: 0514

Attorney	Docket	No.	0081	393-0	<u>800000</u>
Applicat	ion No.				

applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns; but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behoof of the Assignee, its successors, legal representatives, and assigns.

16 nov 2014	Gerardus Johannes Karel Marijke KOOLEN	glook
Date	Name	Signature
14 nov 2014	Jean-Pierre ALBERS-VAN-DER-LINDEN	> THE WELL OF
/ Date	Name	Signature
O B. DEZ ZUM		vous de la company de la compa
U ü.	Lars Peter BECH	
Date	Name	Signature