

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
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JING XU	04/22/2019
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Property Type	Number
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SIGNATURE:	/Joshua P. Larsen/
DATE SIGNED:	04/22/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 2	
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DECLARATION AND ASSIGNMENT

This Declaration and Assignment is directed to U.S. Patent Application Serial No. 16/388,857, filed April 18, 2019 (entitled "THREE-STAGE POWER CONVERTERS FOR ELECTRIC VEHICLE CHARGING") (hereinafter, the "Application").

As one of the below named inventors, I declare that:

- The above-identified 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 reviewed and understand the contents of the above-identified Application, including the claims.
- I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.
- I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Furthermore, for good and valuable consideration, the receipt of which is hereby acknowledged, I confirm that I have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over, to ABB SCHWEIZ AG, of Brown Boveri Strasse 6, CH-5400, Baden, Switzerland (hereinafter, "ABB"), the entire right, title, and interest in, to, and under the Application, any and all patent applications claiming priority to the Application, all inventions disclosed therein, and any and all Letters Patent that may be granted for such inventions, with all rights in such Letters Patent to be held and enjoyed by ABB for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment not been made.

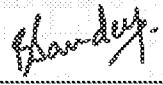
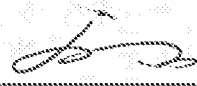
I agree to execute any and all papers in connection with the Application, any and all patent applications claiming priority to the Application, and any Letters Patent issuing therefrom, and also to execute separate assignments as the ABB may deem necessary or desirable.

I agree to execute any and all papers in connection with any litigation, interference, derivation, reexamination, inter partes review, post grant review, or other proceeding concerning the Application, any and all patent applications claiming priority to the Application, and any Letters Patent issuing therefrom, and also to cooperate with the ABB in every way possible in obtaining evidence and participating in any such proceeding.

I agree to perform any and all other acts which, in the opinion of ABB, may be necessary or desirable to secure the grant of Letters Patent to ABB or its nominees, in the United States and in all other countries where ABB may desire patent protection, with specifications and claims in such form as shall be approved by ABB, and to vest and confirm in ABB or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby warrant that I possessed the full right to convey my interest in the Application to ABB, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent & Trademark Office for filing and/or recordation of this document.

<u>4/22/2019</u> Date	<u>Sandeep BALA</u> Name	<u></u> Signature
<u>4/22/2019</u> Date	<u>Jing XU</u> Name	<u></u> Signature