

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5792478

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the RECORDED NAME OF INVENTOR "SUSAN L. FORSTON" TO "SUSAN L. FORTSON-GARDNER" previously recorded on Reel 050695 Frame 0087. Assignor(s) hereby confirms the SALE, ASSIGNMENT, TRANSFER, AND SETTING OVER OF THEIR ENTIRE RIGHT, TITLE, AND INTEREST IN, TO, AND UNDER THE APPLICATIONS.

CONVEYING PARTY DATA

Name	Execution Date
J. BRIAN LEEN	10/10/2019
DOUG S. BAER	10/10/2019
SUSAN L. FORTSON-GARDNER	10/10/2019

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16541102

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NAME OF SUBMITTER:	JOSHUA P. LARSEN
SIGNATURE:	/Joshua P. Larsen/
DATE SIGNED:	10/29/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT5767541

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
J. BRIAN LEEN	10/10/2019
DOUG S. BAER	10/10/2019
SUSAN L. FORSTON, FORTSON-GARDNER	10/10/2019
RECEIVING PARTY DATA	
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Street Address:	BROWN BOVERI STRASSE 6
City:	BADEN
State/Country:	SWITZERLAND
Postal Code:	CH-5400
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16541102
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	65040-295440
NAME OF SUBMITTER:	JOSHUA P. LARSEN
SIGNATURE:	/Joshua P. Larsen/
DATE SIGNED:	10/14/2019
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. 16/541,102, filed August 14, 2019 (hereinafter, the "Application"), as well as U.S. Provisional Patent Application Serial No. 62/719,126, filed August 16, 2018, Chinese (PRC) Patent Application No. 201910760070.X, filed August 16, 2019, and European Patent Application No. 19192031.3, filed August 16, 2019 (hereinafter, referred to collectively with the "Application" as the "Applications").

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

- The 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 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"), who accepts, the entire right, title, and interest in, to, and under the Applications, any and all patent applications claiming priority to any of the Applications, 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 Applications, any and all patent applications claiming priority to any of the Applications, and any Letters Patent issuing therefrom, and also to execute separate assignments as 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 any of the Applications, any and all patent applications claiming priority to any of the Applications, and any Letters Patent issuing therefrom, and also to cooperate with ABB in every way possible in obtaining evidence and participating in any such proceeding.



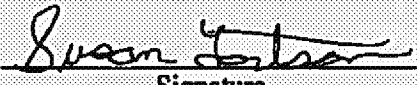
I agree to perform any and all other acts which, in the opinion of ABB, may be necessary or desirable to secure the grant of Letters Patent to ABB or its nominees, in the United States and in all other countries where ABB may desire patent protection, with specifications and claims in

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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.

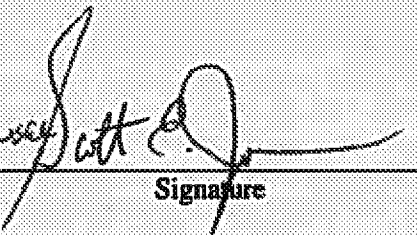
I hereby warrant that I possessed the full right to convey my interest in the Applications to ABB, and that I have not executed, and will not execute, any agreement in conflict herewith.

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>10/10/2019</u> Date	<u>J. Brian Leen</u> Name	<u></u> Signature
<u>10/10/19</u> Date	<u>Doug S. Baer</u> Name	<u></u> Signature
<u>10/10/19</u> Date	<u>Susan L. Fortson-Gardner</u> Name	<u></u> Signature

SF-G
10/28/19

Accepted on behalf of ABB SCHWEIZ AG:

<u>10/10/2019</u> Date	<u>SCOTT E. JONES / LEAD IP COUNSEL</u> Name / Position	<u></u> Signature
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