

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
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This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 2	
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COMBINED DECLARATION AND ASSIGNMENT

This Combined Declaration and Assignment is directed to:

- PCT International Application No. PCT/US2019/040663, filed July 4, 2019, and entitled "Technologies for Solar Power System Performance Model Tuning" (ABB Ref. P171350WO01; B&T Ref. 65040-297220);
- PCT International Application No. PCT/US2019/040664, filed July 5, 2019, and entitled "Systems and Methods for Identifying Anomalous Events for Electrical Systems" (ABB Ref. P171316WO01; B&T Ref. 65040-297218);
- PCT International Application No. PCT/US2019/040719, filed July 5, 2019, and entitled "Technologies for Optimizing Power Grids through Decentralized Forecasting" (ABB Ref. P180240WO01; B&T Ref. 65040-295282);
- U.S. Provisional Patent Application No. 62/694,340, filed July 5, 2018, and entitled "Methods and System for Solar Power System Model Maintenance and Tuning" (ABB Ref. P171350US01; B&T Ref. 65040-280058);
- U.S. Provisional Patent Application No. 62/694,431, filed July 5, 2018, and entitled "Technologies for Optimizing Power Grids through Decentralized Forecasting" (ABB Ref. P180240US01; B&T Ref. 65040-279793);
- U.S. Provisional Patent Application No. 62/694,432, filed July 5, 2018, and entitled "Systems and Methods for Identifying Anomalous Events" (ABB Ref. P171316US01; B&T Ref. 65040-279970); and
- U.S. Provisional Patent Application No. 62/694,434, filed July 5, 2018, and entitled "Automated Dynamic Inverter Tuning" (ABB Ref. P171319US01; B&T Ref. 65040-279971).

(hereinafter, collectively, the "Applications").

As a named inventor of the Applications, I declare that:

- Each of the above-identified Applications was made or authorized to be made by me.
- I believe that I am the original inventor or an original joint inventor of a claimed invention in each of the Applications.
- I have reviewed and understand the contents of the above-identified Applications, 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 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 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 and/or any other patent office for the filing and/or recordation of this document.

March 20, 2020

Date

Mithun P. ACHARYA

Name



Signature