

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT5972311

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
GEORGE ZHANG	12/31/2016
JAMES D. STOUPIIS	10/25/2017
GEORGE ROSSANO	06/27/2018
XIAOMING FENG	10/25/2017
LUIZ V. CHEIM	08/17/2018
CRAIG STIEGEMEIER	06/27/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ABB SCHWEIZ AG
<b>Street Address:</b>	BRUGGERSTRASSE 66
<b>City:</b>	BADEN
<b>State/Country:</b>	SWITZERLAND
<b>Postal Code:</b>	5400
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16459035
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(317)713-3699
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	317-713-3500
<b>Email:</b>	taft-ip-docket@taftlaw.com
<b>Correspondent Name:</b>	DOUGLAS A. COLLIER
<b>Address Line 1:</b>	TAFT, STETTINIUS & HOLLISTER LLC
<b>Address Line 2:</b>	ONE INDIANA SQUARE, SUITE 3500
<b>Address Line 4:</b>	INDIANAPOLIS, INDIANA 46204-2023
<b>ATTORNEY DOCKET NUMBER:</b>	ABBI-03152
<b>NAME OF SUBMITTER:</b>	LISA SCHODROWSKI
<b>SIGNATURE:</b>	/Lisa Schodrowski/
<b>DATE SIGNED:</b>	02/20/2020

**Total Attachments: 8**

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## ASSIGNMENT OF PATENT RIGHTS

WHEREAS, the below named persons (hereinafter referred to as "Assignors") have made one or more new and useful inventions or discoveries in SYSTEMS AND METHODS FOR MONITORING AN INTERNAL VOLUME OF A TRANSFORMER DURING OPERATION (hereinafter collectively referred to as "the Invention") for which U.S. Application No. 62/441,223 was filed on December 31, 2016 and for which one or more other U.S., foreign or international patent applications has been filed, or may in the future be filed;

WHEREAS, ABB SCHWEIZ AG (hereinafter referred to as "Assignee") a legal entity organized under the laws of SWITZERLAND, desires to acquire the entire right, title and interest in, to and under the Invention and any and all United States, foreign and international patent applications and patents which claim, disclose and/or describe the Invention; and

NOW, THEREFORE, for good, valuable and sufficient consideration to the Assignors, the receipt and sufficiency of which are hereby acknowledged, Assignors and Assignee agree as follows:

### A. Assignment of Patent Rights

Assignors hereby assign and transfer to Assignee, its successors and assigns, the entire right, title, and interest in, to and under (i) the Invention, (ii) any and all United States, foreign and/or international patent applications which claim, disclose, or describe subject matter of the Invention including, without limitation, the application referenced herein above, (iii) any and all continuations, continuations-in-part, divisionals, foreign counterparts, reexaminations, reissues, extensions and applications claiming the benefit of or priority to any of the foregoing, (iv) any and all rights to claim priority to any of the foregoing, and (v) any and all rights to bring an action under, receive and collect damages for infringement of any of the foregoing, receive injunctive relief for infringement of any of foregoing (hereinafter collectively referred to as "the Assigned Patent Rights").

Assignors acknowledge and agree that the Assigned Patent Rights include any and all future applications not filed at the time of execution of this agreement which disclose, describe and/or claim subject matter of the Invention, or which claim priority to or the benefit of an application or patent which discloses, describes and/or claims subject matter of the Invention. With respect to such future applications, Assignors hereby authorize Assignee, its attorneys, or its agents to append information identifying such applications as an Exhibit A to this document at the discretion of Assignee, its counsel, or its agents.

### B. Agreement to Execute Additional Documents and Provide Further Assistance

Assignors agree to execute any and all other documents necessary or desirable to document, memorialize or perfect Assignee's interest in the Assigned Patent Rights and to execute any and all other documents and to provide any further assistance necessary or desirable for the procurement of patent rights on the above referenced invention in the United States and all foreign countries.

### C. Binding, Complete and Enforceable Agreement

Assignors acknowledge that (i) this is an enforceable agreement; (ii) this agreement embodies the entire and only understanding between Assignors and Assignee with respect to the subject matter of this agreement; (iii) no oral explanation or oral information by either party hereto shall alter the meaning or interpretation of this agreement; and (iv) if any provision of this agreement is held to be unlawful or unenforceable, such provision shall be limited or eliminated to the minimum extent necessary so that the remainder of this agreement will continue in full force and effect and be enforceable.

D. Execution

This agreement may be executed in counterparts or duplicate originals, both of which shall be regarded as one and the same instrument, and which shall be the official and governing version in the interpretation of this agreement. This agreement may be executed by facsimile signatures or other electronic means and such signatures shall be deemed binding as if they were original signatures.

[Signature Pages Follow]

Signed and executed this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.



George Zhang

STATE OF \_\_\_\_\_ )  
 ) : SS  
COUNTY OF \_\_\_\_\_ )

Before me, a Notary Public, in and for said County and State, personally appeared George Zhang, who, being first duly sworn upon his or her oath, acknowledged the execution of the foregoing "Assignment of Patent Rights" as his or her voluntary act and deed.

WITNESS my signature and Notarial Seal this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

\_\_\_\_\_  
Notary Public

Printed: \_\_\_\_\_

Resident of \_\_\_\_\_ County

My Commission Expires: \_\_\_\_\_.

Signed and executed this 25<sup>th</sup> day of October, 2017.

James D. Stoupis  
James D. Stoupis

STATE OF North Carolina  
COUNTY OF Wake ): SS

Before me, a Notary Public, in and for said County and State, personally appeared James D. Stoupis, who, being first duly sworn upon his or her oath, acknowledged the execution of the foregoing "Assignment of Patent Rights" as his or her voluntary act and deed.

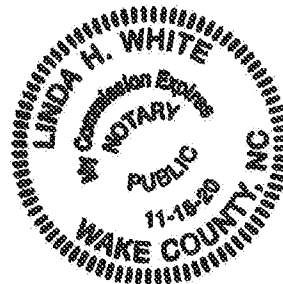
WITNESS my signature and Notarial Seal this 25 day of October, 2017

Linda H. White  
Notary Public

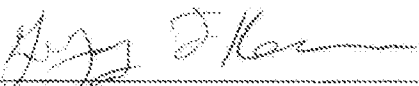
Printed: Linda H. White

Resident of Wake County

My Commission Expires: 11-11-2020



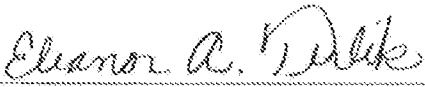
Signed and executed this 27<sup>th</sup> day of June, 2018.

  
Gregory Rossano

STATE OF Connecticut,  
COUNTY OF Hartford ) : SS

Before me, a Notary Public, in and for said County and State, personally appeared Gregory Rossano, who, being first duly sworn upon his or her oath, acknowledged the execution of the foregoing "Assignment of Patent Rights" as his or her voluntary act and deed.

WITNESS my signature and Notarial Seal this 27<sup>th</sup> day of June, 2018.

  
Notary Public

Printed: Eleanor A. Terlik

Resident of Hampden County

My Commission Expires: 3/31/2022

Signed and executed this 25 day of Oct, 2017.

Xiaoming Feng  
Xiaoming Feng

STATE OF North Carolina  
COUNTY OF Wake ): SS

Before me, a Notary Public, in and for said County and State, personally appeared Xiaoming Feng, who, being first duly sworn upon his or her oath, acknowledged the execution of the foregoing "Assignment of Patent Rights" as his or her voluntary act and deed.

WITNESS my signature and Notarial Seal this 25 day of October, 2017.

Linda H. White  
Notary Public

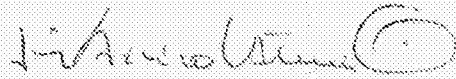
Printed: Linda H. White

Resident of Wake County

My Commission Expires: 11-11-2020



Signed and executed this \_\_\_\_\_ day of \_\_\_\_\_, 17 Aug 2018.



Luiz V. Cheim

STATE OF \_\_\_\_\_ )  
 ) : SS  
COUNTY OF \_\_\_\_\_ )

Before me, a Notary Public, in and for said County and State, personally appeared George Zhang, who, being first duly sworn upon his or her oath, acknowledged the execution of the foregoing "Assignment of Patent Rights" as his or her voluntary act and deed.

WITNESS my signature and Notarial Seal this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

\_\_\_\_\_  
Notary Public

Printed: \_\_\_\_\_

Resident of \_\_\_\_\_ County

My Commission Expires: \_\_\_\_\_.

Signed and executed this 27<sup>th</sup> day of June, 2018.

Craig Stiegemeier  
Craig Stiegemeier

STATE OF Missouri )  
COUNTY OF St. Louis ): SS

Before me, a Notary Public, in and for said County and State, personally appeared Craig Stiegemeier, who, being first duly sworn upon his or her oath, acknowledged the execution of the foregoing "Assignment of Patent Rights" as his or her voluntary act and deed.

WITNESS my signature and Notarial Seal this 27<sup>th</sup> day of June, 2018.

Danny Blackshear  
Notary Public

Printed: Danny Blackshear

Resident of St. Louis County

My Commission Expires: 12-26-2018.

