

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4391591

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
VINOTH SUNDARAMOORTHY	04/25/2017
ENEA BIANDA	04/25/2017
RICHARD BLOCH	04/24/2017
IULIAN NISTOR	03/03/2017
GEROLD KNAPP	04/25/2017
RECEIVING PARTY DATA	
Name:	ABB SCHWEIZ AG
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City:	BADEN
State/Country:	SWITZERLAND
Postal Code:	5400
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15078588
CORRESPONDENCE DATA	
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<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>	
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ATTORNEY DOCKET NUMBER:	ABBCH-22
NAME OF SUBMITTER:	BETSY P. SLONE
SIGNATURE:	/Betsy P. Slone/
DATE SIGNED:	05/01/2017
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 7	

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**COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY AND DESIGN
PATENT APPLICATIONS**

DECLARATION

As a below named inventor, I hereby declare that:

I believe I am the original inventor or an original joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled

**METHOD AND APPARATUS FOR DETERMINING AN ACTUAL
JUNCTION TEMPERATURE OF AN IGBT DEVICE**

The above-identified application was made or authorized to be made by me.

I hereby acknowledge that any willful false statement made in this declaration is punishable under section 1001 of title 18 by fine or imprisonment of not more than 5 years, or both.

ASSIGNMENT

WHEREAS, Vinoth Sundaramoorthy of Alberich Zwyssigstrasse 53, 5430 Wettingen, Switzerland; Enea Bianda of Mellingerstrasse 128B, 5400 Baden, Switzerland; Richard Bloch of Muehle mossweg 6A, 6414 Oberarth, Switzerland; Iulian Nistor of Mammutweg 3, 8166 Niederweningen, Switzerland; and Gerold Knapp of Kreuzstrasse 16, 5420 Ehrendingen, Switzerland, hereinafter referred to as Assignors, have made one or more new and useful inventions in **METHOD AND APPARATUS FOR DETERMINING AN ACTUAL JUNCTION TEMPERATURE OF AN IGBT DEVICE** for which Assignors have made or will make an application for Letters Patent of the United States (hereinafter the "Application"); and

WHEREAS, ABB Schweiz AG, hereinafter referred to as Assignee, a corporation of Switzerland, having principal place of business at Brown Boveri Strasse 6, 5400 Baden, Switzerland, desires to acquire all of the entire right, title and interest in, to and under the one or more inventions disclosed, described and claimed or intended so to be in the Application, and in, to and under the Application, and in, to and under any and all

Letters Patent, United States and foreign, which may be obtained therefore and thereon;

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar (\$1.00) and other good, valuable and sufficient considerations to Assignors in hand paid, the receipt of which is hereby acknowledged, Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto Assignee, all of the entire right, title, and interest in, to and under the one or more inventions disclosed, described and claimed or intended so to be in the Application, and any and all other applications thereon and arising therefrom, including any and all applications claiming the benefit thereof, and any and all divisions, continuations, and continuations-in-part thereof, and any and all patents to be issued and obtained therefor and thereon, United States and foreign, including all reissues and extensions thereof.

Assignors acknowledge that the Application was executed concurrently herewith. Assignors hereby authorize Assignee, its counsel, or its agents to fill-in some or all of the following list of information items (a) through (b) at the discretion of the Assignee, its counsel, or its agents:

- (a) Patent Office Number of the Application: 15/078,588
- (b) Filing Date of the Application: 03/23/2016

Assignors hereby authorize and request the Honorable Assistant Secretary and Commissioner for Patents and Trademarks to issue said Letters Patent to Assignee, its assigns and legal representatives.

Assignors agree to assign and execute any and all other papers necessary or desirable for the procurement of Letters Patent on said invention in this and all foreign countries for the use of Assignee.

WITNESS Assignor's hand this _____ day of _____, 25.04.2017

Vinoth Sundaramoorthy
Vinoth Sundaramoorthy

Witness Name: Enea Bianda

Witness Signature: [Signature]

ABB Schweiz AG

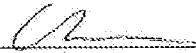
By: [Signature]

Printed Name: Oliver Folini

Date: 25.04.2017

25.04.2017

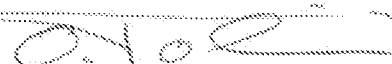
WITNESS Assignor's hand this _____ day of _____.


Enea Blanda

Witness Name: Vineth Sundaramoorthy

Witness Signature: J. Vineth Sundaramoorthy

ABB Schweiz AG

By: 

Printed Name: Oliver Folini

Date: 25.04.2017

WITNESS Assignor's hand this 24 day of march, 2018.

R. Bloch
Richard Bloch

Witness Name: André Bloch

Witness Signature: [Signature]

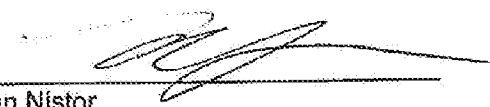
ABB Schweiz AG

By: [Signature]

Printed Name: Oliver Polini

Date: 25.04.2017

WITNESS Assignor's hand this 03 day of March, 2017


Julian Nistor

Witness Name: PARAG UPADHYAY

Witness Signature: 

ABB Schweiz AG

By: 

Printed Name: Oliver Folini

Date: 25.04.2017

25.04.2017

WITNESS Assignor's hand this _____ day of _____

Gerold Knapp
Gerold Knapp

ABB Schweiz AG
Traction Converters
Leiter Entwicklung
Witness Name: Christian Huber

Witness Signature: [Signature]

ABB Schweiz AG

By: [Signature]

Printed Name: Oliver Folini

Date: 25.04.2017