

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>TOMAS U. JONSSON</td> <td>12/20/2013</td> </tr> <tr> <td>JIAQI LIANG</td> <td>12/19/2013</td> </tr> <tr> <td>ALIREZA NAMI</td> <td>12/19/2013</td> </tr> <tr> <td>JYOTI SASTRY</td> <td>01/17/2014</td> </tr> <tr> <td>FRANS DIJKHUIZEN</td> <td>12/20/2013</td> </tr> </tbody> </table>		Name	Execution Date	TOMAS U. JONSSON	12/20/2013	JIAQI LIANG	12/19/2013	ALIREZA NAMI	12/19/2013	JYOTI SASTRY	01/17/2014	FRANS DIJKHUIZEN	12/20/2013
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<table border="1"> <tr> <td>Name:</td> <td>ABB RESEARCH LTD.</td> </tr> <tr> <td>Street Address:</td> <td>AFFOLTERNSTRASSE 44</td> </tr> <tr> <td>City:</td> <td>ZURICH</td> </tr> <tr> <td>State/Country:</td> <td>SWITZERLAND</td> </tr> <tr> <td>Postal Code:</td> <td>CH-8050</td> </tr> </table>		Name:	ABB RESEARCH LTD.	Street Address:	AFFOLTERNSTRASSE 44	City:	ZURICH	State/Country:	SWITZERLAND	Postal Code:	CH-8050		
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CORRESPONDENCE DATA													
Fax Number: Phone: 919.948.3390 Email: official@mbhiplaw.com <i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i> Correspondent Name: MURPHY, BILAK & HOMILLER/ABB Address Line 1: 8000 REGENCY PARKWAY, SUITE 415 Address Line 2: SUITE 415 Address Line 4: CARY, NORTH CAROLINA 27518													
ATTORNEY DOCKET NUMBER:	1035-0035 / US-13080-OAH												
NAME OF SUBMITTER:	MICHAEL D. MURPHY												

Signature:	/Michael D. Murphy/
Date:	02/06/2014
Total Attachments: 6 source=1035-0035_Assignment#page1.tif source=1035-0035_Assignment#page2.tif source=1035-0035_Assignment#page3.tif source=1035-0035_Assignment#page4.tif source=1035-0035_Assignment#page5.tif source=1035-0035_Assignment#page6.tif	

ASSIGNMENT

For good and valuable consideration, I/we,

JYOTI SASTRY, a citizen of India, residing at 3507 Palmilla Drive, San Jose, California 95134,
United States of America

TOMAS U. JONSSON, a citizen of Sweden, residing at Klyvargatan 10, Västerås, S-72348,
Sweden

JIAQI LIANG, a citizen of China, residing at 108 Churchview Street, Cary, North Carolina
27513, United States of America

ALIREZA NAMI, a citizen of Iran, residing at Tessingatan 1C, Västerås, 72216, Sweden

FRANS DUKHUIZEN, a citizen of the Netherlands, residing at Bankvägen 20, Skultuna, 72631,
Sweden

hereinafter individually or collectively referred to as "Assignor";

Hereby sell, assign and transfer to **ABB Research Ltd.**, having its principal place of business at Affolternstrasse 44, CH-8050 Zurich, Switzerland, hereinafter "Assignee", its successors, assigns and legal representatives, the entire right, title and interest in and for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned and

filed on 2013-12-18 as US Serial No. 14/132,633

entitled: **METHOD AND APPARATUS FOR TRANSFERRING POWER
BETWEEN AC AND DC POWER SYSTEMS**

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

SIGNATURE: _____
Jyoti Sastry

DATE: _____

SIGNATURE:  _____
Tomas U. Jonsson

DATE: 20/12 2013

SIGNATURE: _____
Jiaqi Liang

DATE: _____

SIGNATURE: _____
Alireza Nami

DATE: _____

SIGNATURE: _____
Frans Dijkhuizen


DATE: _____

SIGNATURE: _____
Jyoti Sastry

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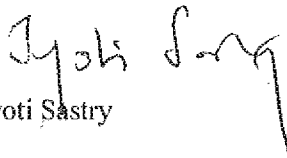
SIGNATURE: _____
Alireza Nami

DATE: 2018-12-19

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Frans Dijkhuizen

DATE: _____

SIGNATURE:


Jyoti Sastry

07/17/14
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