

PATENT ASSIGNMENT

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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>Debrup Das</td> <td>06/20/2013</td> </tr> <tr> <td>Reynaldo Nuqui</td> <td>06/21/2013</td> </tr> <tr> <td>Mats Larsson</td> <td>06/27/2013</td> </tr> </tbody> </table>		Name	Execution Date	Debrup Das	06/20/2013	Reynaldo Nuqui	06/21/2013	Mats Larsson	06/27/2013
Name	Execution Date								
Debrup Das	06/20/2013								
Reynaldo Nuqui	06/21/2013								
Mats Larsson	06/27/2013								
RECEIVING PARTY DATA									
Name:	ABB Research Ltd.								
Street Address:	Affolternstrasse 44								
City:	Zurich								
State/Country:	SWITZERLAND								
Postal Code:	CH-8050								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13922644</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13922644				
Property Type	Number								
Application Number:	13922644								
CORRESPONDENCE DATA									
Fax Number:									
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	919.948.3390								
Email:	official@mbhiplaw.com								
Correspondent Name:	Murphy, Bilak & Homiller/ABB								
Address Line 1:	8000 Regency Parkway, Suite 415								
Address Line 4:	Cary, NORTH CAROLINA 27518								
ATTORNEY DOCKET NUMBER:	1035-0021 / US-13042-OAH								
NAME OF SUBMITTER:	Mark R. Bilak								
Signature:	/Mark R. Bilak, Reg. No. 47,423/								
Date:	09/17/2013								
Total Attachments: 3 source=1035-0021_Assignment#page1.tif source=1035-0021_Assignment#page2.tif source=1035-0021_Assignment#page3.tif									

CH \$40.00 13922644

ASSIGNMENT

For good and valuable consideration, I/we,

Debrup Das, a citizen of India, residing at 2028 Gorman Street, Raleigh, North Carolina 27606, USA,

Reynaldo Nuqui, a citizen of the United States of America, residing at 245 Churchview Street Cary, North Carolina 27513, USA,

Mats Larsson, a citizen of Sweden, residing at Segelhofstrasse 32b, Baden-Dättwil, Switzerland CH-5405

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 June 20, 2013 as US Serial No. 13/922,644

entitled: **Converter Station Power Set Point Analysis System and Method**

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: Debrup Das
Debrup Das

DATE: 06/20/2013

SIGNATURE: Reynaldo Nuqui
Reynaldo Nuqui

DATE: 6-21-13

SIGNATURE: _____
Mats Larsson

DATE: _____

ABB Ref. No.: US-13042-OAH
MBH Ref No.: 1035-0021

SIGNATURE: _____
Reynaldo Muqui

DATE: _____

SIGNATURE: Mats Larsson
Mats Larsson

DATE: 27.06.2013