

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ABB RESEARCH LTD.	10/29/2015
RECEIVING PARTY DATA	
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14132633
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ATTORNEY DOCKET NUMBER:	1035-0035 / US-13080-OAH
NAME OF SUBMITTER:	MICHAEL D. MURPHY
SIGNATURE:	/Michael D. Murphy/
DATE SIGNED:	10/30/2015
Total Attachments: 1	
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ASSIGNMENT

This assignment is made by **ABB Research Ltd.**, having its principal place of business at Affolternstrasse 44, CH-8050 Zurich, Switzerland (“Assignor”), to and in favor of **ABB Technology AG**, having its principal place of business at Affolternstrasse 44, CH-8050 Zurich, Switzerland (“Assignee”).

Assignor hereby assigns and transfers to Assignee, its successors, assigns, and legal representatives, Assignor’s entire right, title and interest in and for the United States and all foreign countries, in and to all inventions disclosed in the below listed application for United States Patent, in and to the application and all patents issuing or re-issuing therefrom, in and to any further applications filed thereon, including any divisional, continuation, continuation-in-part or foreign or international applications, and any patents issuing from any further application, the same to be held and enjoyed by the Assignee, for its use and benefit and the use and benefit of its successors, assigns, and legal representatives, to the full end of the term or terms for which Letters Patent, Patents and Utility Models may be granted, as fully and entirely as the same would have been held and enjoyed by the Assignor(s) had this assignment not been made:

U.S. Application No. 14/132,633, as filed on 18 Dec. 2013, and entitled
**METHOD AND APPARATUS FOR TRANSFERRING POWER BETWEEN
AC AND DC POWER SYSTEMS.**

Assignor acknowledges that Assignee may apply for and receive patents for all said inventions in Assignee’s name. The assignment of the above mentioned rights includes a transfer of the whole right to use a priority (including priority according to any convention, multilateral agreement, bilateral agreement and national law) of the above mentioned application(s) for Letters Patent, Patent, and Utility Model in all countries and multilateral treaty organizations wherein no residual rights shall remain with the Assignor(s). Assignee alone hereinafter has the entire disposal of the invention and possesses entire ownership to any domestic and foreign patents or utility models granted thereafter. The rights granted hereunder shall include all rights to institute legal actions, obtain remedies and recover and retain damages in respect to any said Letters Patent, Patent or Utility Model.

Signature of authorized representative of Assignor:



Steven W. Hudnut
Attorney in Fact
ABB Research Ltd.

10/29/2015
Date