

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ABB Patent GmbH	06/14/2011
RECEIVING PARTY DATA	
Name:	ABB AG
Street Address:	Kallstadter Strasse 1
City:	Mannheim
State/Country:	GERMANY
Postal Code:	68309
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12441438
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	810783
NAME OF SUBMITTER:	Thomas P. Canty
Total Attachments: 2 source=Executed_Assignment#page1.tif source=Executed_Assignment#page2.tif	

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PATENT
REEL: 026502 FRAME: 0752

ASSIGNMENT

WHEREAS, ABB Patent GmbH, a Corporation organized under the laws of Germany, located at Wallstadter Strasse 59; 68526 Ladenburg; GERMANY (hereinafter "ASSIGNOR") in consideration of the sum of Ten Dollars (\$10.00) or the equivalent thereof, and other good and valuable consideration, the sufficiency of which and receipt of which are hereby acknowledged, paid to it by

ABB AG

a Corporation organized under and pursuant to the laws of Germany having its principal place of business at Kallstadter Strasse 1, 68309 Mannheim, GERMANY (hereinafter referred to as "ASSIGNEE"), does hereby sell and assign to the said ASSIGNEE, its successors and assigns, the below indicated right, title, and interest in and for the United States of America only, in and to the Invention owned by it and described in U.S. Patent Application No. 12/441,438 filed on November 9, 2009 and all patents, divisions, reissues, continuations and any extensions thereof and rights of priority therein, including the right to sue for past infringement and any such recovery, said interest being the entire ownership interest in the same, to be held and enjoyed by said ASSIGNEE, its successors, assigns, or other legal representatives, to the full end of the term thereof, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR if this assignment and sale had not be made;

And for the consideration aforesaid, ASSIGNOR hereby covenants and agrees to and with said ASSIGNEE, its successors and assigns, that whenever ASSIGNEE, its counsel or representative, or the counsel or representative of its successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with an application concerning said Invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of such application or patent issuing therefrom is lawful and desirable, ASSIGNOR will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement of all lawful rights associated with the Invention, or for the reissue or continuation or extension of the same, will do all acts necessary or required to secure in said ASSIGNEE, its successors or assigns, the title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEE or its successors or assigns, but at its or their expense; and I hereby appoint

every present or future officer of said ASSIGNEE as my agent to sign all such papers and to do all such necessary acts on my behalf, to the fullest extent permitted by law;

And ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks and any other granting authority to issue any Letters Patent resulting from said Invention and application(s) concerning same to said ASSIGNEE.

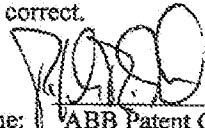
This assignment shall have an effective date corresponding to the date of execution.

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that (check all that apply):

- ☐ I am an officer of the above-identified ASSIGNOR,
- ☒ I have signed this document on behalf of ASSIGNOR with the full authority of its board of directors,

and that all of the foregoing is true and correct.

Dated: June 14, 2011

By: 
Name: ABB Patent GmbH
Title: Ralph Bickert Dr. Diemar Eickmeyer
President Vice President