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PATENT REEL: 012805 FRAME: 0069

ASSIGNMENT

WHEREAS, ABB INC., hereinafter referred to as the ASSIGNOR, a Corporation of Delaware, having a place of business at Centennial Campus - NCSU, 1021 Main Campus Drive, Raleigh, North Carolina 27606 holds rights in certain inventions or improvements for which applications for Letters Patent have been made or for which Letters Patent have been issued, all of which are listed on Attachment A hereto (hereafter Patent Property); and

WHEREAS, **ABB POWER AUTOMATION LTD.**, hereinafter referred to as the ASSIGNEE, a corporation of **Switzerland**, having the address: **Haselstrasse 16/H122**, **NST-1**, **Baden**, **Switzerland**, is desirous of acquiring the *entire* right, title and interest of ABB INC. in and to the said Patent Property in any and all countries;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said ASSIGNEE, its entire right, title and interest in and to said Patent Property and any and all continuations, divisions and renewals of and substitutes for said Patent Property and to and under any and all additional Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and the full right to sue for and recover all profits and damages recoverable for past infringement of the same, and assign to and authorize said ASSIGNEE to file applications for Letters Patent in all countries, to be held and enjoyed by said ASSIGNEE, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this assignment, sale and transfer not been made.

It is hereby covenanted that ASSIGNOR has full right to convey the its entire interest herein assigned, and that ASSIGNOR has not executed and will not execute any agreement in conflict herewith, and ASSIGNOR further covenants and agrees that it will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said Patent Property in said assignee, its successors, assigns, nominees, or legal representatives, and ASSIGNOR agrees to communicate to said ASSIGNEE or to its nominee all known facts respecting said Patent Property, to testify in any legal proceedings, to sign all lawful papers to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said ASSIGNEE, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries, all at the expense, however, of said ASSIGNEE, its successors, assigns, nominees or legal representatives.

AND ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the

United States whose duty it is to issue patents on applications as aforesaid, to issue to said ASSIGNEE, as assignee of the entire right, title and interest, any and all Letters Patent for Patent property, including any and all Letters Patent of the United States which may be issued and granted on or as a result of any applications included in said Patent Property, in accordance with the terms of this assignment.

IN WITNESS WHEREOF, the undersigned, being properly authorized to execute this Assignment, hereunto sets their hand and seal.

ABB INC.

Attorney-In-Fact

STATE OF

COUNTY OF

of: North Cavolina ss

Of: Wake

On this 20th day of March, year of 2002, before me, the undersigned, personally appeared Robert L. Hirt _____, who acknowledged

himself to be the Attorney-In-Fact of ABB Inc., a corporation, and that he as such Attorney-In-Fact, being authorized to do so, executed the foregoing instrument for the purposes therein contained by signing the name of the corporation by himself as and Attorney-In-Fact.

MY COMMISSION EXPIRES MARCH 28, 2005.

ATTACHMENT A

U.S. Patent Application:

Title: Crossover Fault Classification For Power Lines With

Parallel Circuits

Inventors: James D. Stoupis, et al.

Serial No.: 09/951,495

RECORDED: 04/10/2002

Filing Date: September 13, 2001

Assignments recorded: January 7, 2002 at Reel/Frame: 012434/0562

January 7, 2002 at Reel/Frame: 012434/0559