

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	NUNC PRO TUNC ASSIGNMENT						
EFFECTIVE DATE:	11/30/2003						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>ABB Inc.</td> <td>11/30/2003</td> </tr> </tbody> </table>		Name	Execution Date	ABB Inc.	11/30/2003		
Name	Execution Date						
ABB Inc.	11/30/2003						
RECEIVING PARTY DATA							
Name:	ABB LTD.						
Street Address:	BELGARD ROAD, TALLAGHT						
City:	DUBLIN						
State/Country:	IRELAND						
Postal Code:	24						
PROPERTY NUMBERS Total: 2							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Patent Number:</td> <td>7300548</td> </tr> <tr> <td>Patent Number:</td> <td>7648614</td> </tr> </tbody> </table>		Property Type	Number	Patent Number:	7300548	Patent Number:	7648614
Property Type	Number						
Patent Number:	7300548						
Patent Number:	7648614						
CORRESPONDENCE DATA							
Fax Number:	(440)585-7578						
Phone:	4405856738						
Email:	debra.rietze@us.abb.com						
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>							
Correspondent Name:	Debra Rietze						
Address Line 1:	29801 Euclid Ave						
Address Line 2:	Legal 4U6						
Address Line 4:	Wickliffe, OHIO 44092						
ATTORNEY DOCKET NUMBER:	US-0807						
NAME OF SUBMITTER:	Debra Rietze						
Total Attachments: 2 source=NuncProTuncAssignmentABBInctoABB Ltd#page1.tif source=NuncProTuncAssignmentABBInctoABB Ltd#page2.tif							

CH \$80.00 7300548

ASSIGNMENT NUNC PRO TUNC

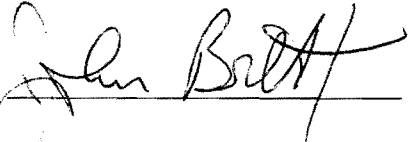
WHEREAS, ABB Inc., hereinafter referred to as the ASSIGNOR, a company organized and existing under the laws of the State of Delaware one of the United States of America, having its headquarters at 501 Merritt 7, Norwalk, CT 06856 USA, is the owner of certain inventions or improvements for which applications for U.S. Letters Patent have been made including applications filed pursuant to the Patent Cooperation Treaty at the United States Patent and Trademark Office as the International Receiving Office, all of which are listed on Schedule I attached hereto (hereafter "the Patent Properties"); and

WHEREAS, pursuant to a QCS PRU Business Line Purchase Agreement having an effective date of November 30, 2003, ASSIGNOR has sold, assigned and transferred to ABB Ltd., hereinafter referred to as the ASSIGNEE, a company organized and existing under the laws of Ireland, having its principal place of business at Belgard Road, Tallaght, Dublin 24 Ireland, all of ASSIGNOR's right, title and interest in and to certain intellectual property which includes the Patent Properties;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR does hereby assign nunc pro tunc, as of November 30, 2003, to the ASSIGNEE all of ASSIGNOR's right, title and interest in and to the Patent Properties and any and all continuations, divisions and renewals of and substitutes for the Patent Properties and to and under any and all 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 any and all rights to claim priority from the Patent Properties, 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.

IN WITNESS WHEREOF, ABB Inc. has caused this Assignment to be duly executed by its authorized officer as of the day and year first written above.

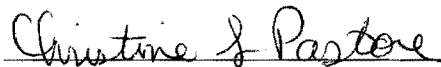
ABB INC.

By: 

John Brett
(Printed Name)

Title: Sr. Vice President,
Secretary + General Counsel

WITNESS

By: 

Christine S. Pastore
(Printed Name)

ABB Inc. to ABB Ltd. of Ireland

SCHEDULE I

U.S. Patent Applications are:

Serial No.	Filing Date
10/628197	7/28/2003
10/080203	2/21/2002
10/264080	10/3/2002
09/871182	5/31/2001
10/461186	6/13/2003
10/434869	5/9/2003
10/448600	5/30/2003

PCT Patent Applications Filed At The United States Patent and Trademark Office as the International Receiving Office are:

Serial No.	Filing Date
PCT/US03/05021	2/20/2003
PCT/US02/32256	10/9/2002