

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
EFFECTIVE DATE:	03/15/2005

**CONVEYING PARTY DATA**

Name	Execution Date
John M Peterson	02/05/2007
Steven A Kunsman	02/05/2007
Mohamed Y Haj-Maharsi	01/22/2007
Reynaldo Nuqui	01/22/2007
James Stoupis	01/22/2007

**RECEIVING PARTY DATA**

Name:	ABB Technology AG
Street Address:	Affolternstrasse 44
City:	Zurich
State/Country:	SWITZERLAND
Postal Code:	CH-8050

Name:	ABB Research LTD.
Street Address:	Affolternstrasse 52
City:	Zurich
State/Country:	SWITZERLAND
Postal Code:	CH-8050

**PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	11081042

**CORRESPONDENCE DATA**

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**CH \$40.00 11081042**

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ATTORNEY DOCKET NUMBER:

E20030170

NAME OF SUBMITTER:

Deborah Powers

**Total Attachments: 4**

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Attorney Docket No.: E20030170

**PATENT**

**ASSIGNMENT**

THIS Assignment is made effective as of March 15, 2005.

**WITNESSETH:**

Whereas, we John M. Peterson, Steven A. Kunsman, Mohamed Y Haj-Maharsi, Reynaldo Nuqui, and James Stoupis of 810 Northridge Drive, Jeffersonville, PA 19403, 4045 Old Sentry Rd., Allentown, PA 18104, 713 Hawes Ct., Apt. C, Raleigh, NC 27608, 1231-D Patrick Circle, Apt. D, Cary, NC 27511 and 2600 Sterling Park Drive, Raleigh, NC 27603, respectively (hereinafter collectively and individually referred to as "ASSIGNOR") have made an invention entitled **DIGITAL SIGNAL PROCESSOR IMPLEMENTATION OF HIGH IMPEDANCE FAULT ALGORITHMS** Application Serial No. 11/081,042 filed on March 15, 2005, in the United States Patent and Trademark Office ("U.S. Utility Application"); and

WHEREAS, ABB TECHNOLOGY AG INC. and ABB RESEARCH LTD., collectively "ASSIGNEE", two corporations organized under the laws of Switzerland, and having their principal place of businesses at Affolternstrasse 44, CH-8050 Zurich, Switzerland AND Affolternstrasse 52, CH-8050 Zurich, Switzerland, respectively, is desirous of acquiring the entire right, title and interest in and to the invention, including all rights to file United States and foreign patent applications for said invention, and any and all Letters Patent of the United States and foreign countries which shall be granted therefore.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and of other good and valuable consideration, the receipt of which is hereby acknowledged, the ASSIGNOR, intending to be legally bound, does hereby sell, assign and transfer to ASSIGNEE, the ASSIGNOR'S entire right, title and interest, for the United States of America, its territories and possessions, and for all foreign countries, in said invention, including all United States patent application(s) filed therefore, all divisions and continuations thereof, all rights to claim priority based thereon, all rights to file foreign applications on said invention, and all letters patent and reissues thereof, issuing for said invention in the United States of America and in any and all foreign countries.

It is agreed that the ASSIGNOR shall be legally bound, upon request and at the expense of ASSIGNEE, or its successors and assigns or a legal representative thereof, to supply all information and evidence of which the ASSIGNOR has knowledge or possession, relating to the making and practice of the invention, to testify in any legal proceeding relating thereto, to execute all instruments and do such other acts as may be necessary and proper to patent the invention in the United States of America and foreign countries in the name of ASSIGNEE, or its successors and assigns, and to execute all instruments proper to carry out the intent of this Assignment.

ASSIGNOR hereby warrants that no assignment, sale agreement or encumbrance has been or will be made or entered into which will conflict with this Assignment.

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ASSIGNOR hereby requests the Director of the United States Patent and Trademark Office to issue the Letters Patent of the United States in accordance with this Assignment.

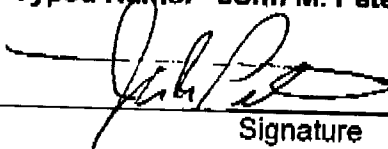
Because ASSIGNOR includes more than one person, these obligations shall apply to those persons individually and collectively.

IN WITNESS WHEREOF, this Assignment is executed on the dates set forth below.

ASSIGNOR No. 1

2/5/2007  
Date

Typed Name: John M. Peterson

  
Signature

Witness to ASSIGNOR No. 1:

Erre W. Buchholz  
Witness Typed or Printed Name

  
Signature

~Signature Of Assignor No. 2 Appears On The Following Page~

Attorney Docket No.: E20030170

ASSIGNOR No. 2

Typed Name: Steven A. Kunsman

5-Feb-2007

Date

*Steven A. Kunsman*

Signature

Witness to ASSIGNOR No. 2:

2-5-07 Susan E. Kunsman

Witness Typed or Printed Name

*Susan E. Kunsman*

Signature

~Signatures Of Assignor No. 3, 4 and 5 Appears On The Following Page~

Attorney Docket No.: E20030170

**ASSIGNOR No. 3**

01/22/2007

Date

Typed Name: Mohamed Y Haj-Maharsl

Mohamed Y Haj-Maharsl  
Signature

**Witness to ASSIGNOR No. 3:**

VAIBHAV DONDE

Witness Typed or Printed Name

VAIBHAV DONDE  
Signature

**ASSIGNOR No. 4**

01/22/2007

Date

Typed Name: Reynaldo Nuqui

Reynaldo Nuqui  
Signature

**Witness to ASSIGNOR No. 4:**

ERNST SCHOLTZ

Witness Typed or Printed Name

ERNST SCHOLTZ  
Signature

**ASSIGNOR No. 5**

1/22/2007

Date

Typed Name: James Stoupis

James Stoupis  
Signature

**Witness to ASSIGNOR No. 5:**

ZHENYUAN WANG

Witness Typed or Printed Name

ZHENYUAN WANG  
Signature