

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

| <b>SUBMISSION TYPE:</b>  | NEW ASSIGNMENT             |               |                |                     |            |                 |            |                          |            |                |            |                 |            |
|--|----------------------------|---------------|----------------|---------------------|------------|-----------------|------------|--------------------------|------------|----------------|------------|-----------------|------------|
| <b>NATURE OF CONVEYANCE:</b>   | ASSIGNMENT                 |               |                |                     |            |                 |            |                          |            |                |            |                 |            |
| <b>CONVEYING PARTY DATA</b>  |                            |               |                |                     |            |                 |            |                          |            |                |            |                 |            |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Mohamed Maharsi</td> <td>05/10/2007</td> </tr> <tr> <td>Mark C Giacobbe</td> <td>05/15/2007</td> </tr> <tr> <td>Deia-Salah-Eldin Bayoumi</td> <td>05/15/2007</td> </tr> <tr> <td>Douglas A Wood</td> <td>05/15/2007</td> </tr> <tr> <td>Douglas A. Voda</td> <td>05/09/2007</td> </tr> </tbody> </table> |                            | Name          | Execution Date | Mohamed Maharsi     | 05/10/2007 | Mark C Giacobbe | 05/15/2007 | Deia-Salah-Eldin Bayoumi | 05/15/2007 | Douglas A Wood | 05/15/2007 | Douglas A. Voda | 05/09/2007 |
| Name   | Execution Date             |               |                |                     |            |                 |            |                          |            |                |            |                 |            |
| Mohamed Maharsi  | 05/10/2007                 |               |                |                     |            |                 |            |                          |            |                |            |                 |            |
| Mark C Giacobbe  | 05/15/2007                 |               |                |                     |            |                 |            |                          |            |                |            |                 |            |
| Deia-Salah-Eldin Bayoumi   | 05/15/2007                 |               |                |                     |            |                 |            |                          |            |                |            |                 |            |
| Douglas A Wood   | 05/15/2007                 |               |                |                     |            |                 |            |                          |            |                |            |                 |            |
| Douglas A. Voda  | 05/09/2007                 |               |                |                     |            |                 |            |                          |            |                |            |                 |            |
| <b>RECEIVING PARTY DATA</b>  |                            |               |                |                     |            |                 |            |                          |            |                |            |                 |            |
| <b>Name:</b>   | ABB Technology AG          |               |                |                     |            |                 |            |                          |            |                |            |                 |            |
| <b>Street Address:</b>   | Affolternstrasse 44        |               |                |                     |            |                 |            |                          |            |                |            |                 |            |
| <b>City:</b>   | Zurich                     |               |                |                     |            |                 |            |                          |            |                |            |                 |            |
| <b>State/Country:</b>  | SWITZERLAND                |               |                |                     |            |                 |            |                          |            |                |            |                 |            |
| <b>Postal Code:</b>  | CH-8050                    |               |                |                     |            |                 |            |                          |            |                |            |                 |            |
| <b>PROPERTY NUMBERS Total: 1</b>   |                            |               |                |                     |            |                 |            |                          |            |                |            |                 |            |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11598240</td> </tr> </tbody> </table>  |                            | Property Type | Number         | Application Number: | 11598240   |                 |            |                          |            |                |            |                 |            |
| Property Type  | Number                     |               |                |                     |            |                 |            |                          |            |                |            |                 |            |
| Application Number:  | 11598240                   |               |                |                     |            |                 |            |                          |            |                |            |                 |            |
| <b>CORRESPONDENCE DATA</b>   |                            |               |                |                     |            |                 |            |                          |            |                |            |                 |            |
| <b>Fax Number:</b>   | (440)585-7578              |               |                |                     |            |                 |            |                          |            |                |            |                 |            |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>   |                            |               |                |                     |            |                 |            |                          |            |                |            |                 |            |
| <b>Phone:</b>  | 440-585-6818               |               |                |                     |            |                 |            |                          |            |                |            |                 |            |
| <b>Email:</b>  | deborah.powers@us.abb.com  |               |                |                     |            |                 |            |                          |            |                |            |                 |            |
| <b>Correspondent Name:</b>   | Deborah Powers             |               |                |                     |            |                 |            |                          |            |                |            |                 |            |
| <b>Address Line 1:</b>   | 29801 Euclid Avenue        |               |                |                     |            |                 |            |                          |            |                |            |                 |            |
| <b>Address Line 2:</b>   | ABB Legal 4U6              |               |                |                     |            |                 |            |                          |            |                |            |                 |            |
| <b>Address Line 4:</b>   | Wickliffe, OHIO 44092-1832 |               |                |                     |            |                 |            |                          |            |                |            |                 |            |
| <b>ATTORNEY DOCKET NUMBER:</b>   | E20050380                  |               |                |                     |            |                 |            |                          |            |                |            |                 |            |
| <b>NAME OF SUBMITTER:</b>  | Deborah Powers             |               |                |                     |            |                 |            |                          |            |                |            |                 |            |

**CH \$40.00 11598240**

**Total Attachments: 5**

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**Attorney Docket: E20050380****PATENT****ASSIGNMENT**

THIS Assignment is made on the dates hereinafter set forth.

**WITNESSETH:**

Whereas, we, , Mohamed Maharsi, Mark C. Giacobbe, Deia Salah-Eldin Bayoumi, Douglas A. Wood and Douglas A. Voda of 713-C Hawes CT, Raleigh, NC 27608; 4702 Kovalchik Drive, Coplay, PA 18037.; 4073 Waterford Drive, Center Valley, PA 18034, 28 Hess Rd Boyertown PA 19512 and 8553 Christophers Haven Ct Sanford, Florida 32771, respectively, (hereinafter referred to as "ASSIGNOR") have made an invention entitled, **ARC SUPPRESSION USING A SEMI-CONDUCTOR SWITCH**, Application Serial No. 11/598,240 filed on November 10, 2006, in the United States Patent and Trademark Office ("U.S. Utility Application"); and

WHEREAS, **ABB TECHNOLOGY AG**, a corporation organized under the laws of Switzerland, and having its principal place of business at Affolternstrasse 44, CH-8050 Zurich, Switzerland, is desirous of acquiring the entire right, title and interest in and to the invention, including all rights to file foreign patent applications for said invention and said U.S. Utility Application, and any and all Letters Patent of the United States which shall be granted therefor from the U.S. Utility Application and any and all Letters Patent of foreign countries which shall be granted therefor.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the undersigned, intending to be legally bound, does hereby sell, assign and transfer to **ABB TECHNOLOGY AG** the ASSIGNOR's entire right, title and interest, for the United States of America, its territories and possessions in said invention, including said U.S. Utility Application, 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 the ASSIGNOR shall be legally bound, upon request and at the expense of **ABB TECHNOLOGY AG** or its successors and assigns or a legal representative thereof, to supply all information and evidence of which the undersigned 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 **ABB TECHNOLOGY AG** 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.

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.

**ASSIGNOR #1:**

**Typed Name:** Mohamed Maharsi

05/10/2007  
Date

Maharsi Yasmine  
Signature

**ASSIGNOR #2**

**Typed Name:** Mark C. Giacobbe

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

~ASSIGNOR #3 , #4 and #5 APPEARS ON THE NEXT PAGE~

**Attorney Docket: E20050380**

**PATENT**

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

**ASSIGNOR #1:**

**Typed Name: Mohamed Maharsi**


\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

**ASSIGNOR #2**

**Typed Name: Mark C. Giacobbe**

5/15/07  
Date

  
Signature

**--ASSIGNOR #3 , #4 and #5 APPEARS ON THE NEXT PAGE--**

Attorney Docket: E20050380

PATENT

ASSIGNOR #3

Typed Name: Deia Salah-Eldin Bayoumi

5/13/07  
Date

  
Signature

ASSIGNOR #4

Typed Name: Douglas A. Wood

15 MAY 07  
Date

  
Signature

ASSIGNOR #5

Typed Name: Douglas A. Voda

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

ASSIGNOR #3

Typed Name: Deia Salah-Eldin Bayoumi

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

ASSIGNOR #4

Typed Name: Douglas A. Wood


\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

ASSIGNOR #5

Typed Name: Douglas A. Voda

05/09/2007  
Date

  
\_\_\_\_\_  
Signature