

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Dezheng Wu</td> <td>03/01/2013</td> </tr> <tr> <td>Lars Gertmar</td> <td>04/17/2013</td> </tr> <tr> <td>Waqas Arshad</td> <td>02/28/2013</td> </tr> <tr> <td>Cedric Monnay</td> <td>03/04/2013</td> </tr> <tr> <td>Magnus Byggnevi</td> <td>04/02/2013</td> </tr> <tr> <td>Frederic Tholence</td> <td>02/28/2013</td> </tr> </tbody> </table>		Name	Execution Date	Dezheng Wu	03/01/2013	Lars Gertmar	04/17/2013	Waqas Arshad	02/28/2013	Cedric Monnay	03/04/2013	Magnus Byggnevi	04/02/2013	Frederic Tholence	02/28/2013
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Magnus Byggnevi	04/02/2013														
Frederic Tholence	02/28/2013														
RECEIVING PARTY DATA															
Name:	ABB Research Ltd.														
Street Address:	Affolternstrasse 44														
City:	CH-8050 Zurich														
State/Country:	SWITZERLAND														
PROPERTY NUMBERS Total: 1															
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13788848</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13788848										
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CORRESPONDENCE DATA															
Fax Number:	2033271096														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	203-324-6155														
Email:	ccobb@ssjr.com														
Correspondent Name:	Wesley W. Whitmyer, Jr.														
Address Line 1:	986 Bedford Street														
Address Line 2:	St. Onge Steward Johnston & Reens LLC														
Address Line 4:	Stamford, CONNECTICUT 06905														
ATTORNEY DOCKET NUMBER:	04189-P0130A														
NAME OF SUBMITTER:	Wesley W. Whitmyer, Jr.														

OP \$40.00 13788848

Signature:	/Wesley W. Whitmyer, Jr./
Date:	05/09/2013
<b>Total Attachments: 7</b> source=04189-P0130A - Assignment to ABB Research Ltd#page1.tif source=04189-P0130A - Assignment to ABB Research Ltd#page2.tif source=04189-P0130A - Assignment to ABB Research Ltd#page3.tif source=04189-P0130A - Assignment to ABB Research Ltd#page4.tif source=04189-P0130A - Assignment to ABB Research Ltd#page5.tif source=04189-P0130A - Assignment to ABB Research Ltd#page6.tif source=04189-P0130A - Assignment to ABB Research Ltd#page7.tif	

**Assignment**

**WHEREAS**, We, the undersigned inventors, have made certain inventions or discoveries (or both) as set forth in an application for Letters Patent of the United States of America, entitled **FAULT-TOLERANT ELECTRICAL MACHINE**, bearing U.S. Patent Application No. 13/788,848 and filed on March 7, 2013;

**WHEREAS**, ABB Research Ltd., a company organized and existing under the laws of Switzerland, and having an office and place of business at Affolternstrasse 44; CH-8050 Zurich, Switzerland, and, together with its successors and assigns is hereinafter called "Assignee", and is desirous of acquiring the title, rights, benefits and privileges hereinafter recited;


**NOW THEREFORE**, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in any and all countries, including all divisional, renewal, substitute, continuation and convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;
2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;
3. Authorize and request the Commissioner of Patents of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patents to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;
4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;
5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that said inventions and discoveries, said patent applications and said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application

documents, including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns, which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

IN WITNESS WHEREOF, we, Dezheng Wu, Lars Gertmar, Waqas Arshad, Cedric Monnay, Magnus Byggnevi, and Frederic Tholence, have hereunto set our hands and affixed our seals.

3/1/2013  
Date

  
Dezheng Wu  
No. 380, TianXing Road, Minhang District,  
Shanghai, 200245, China

Declaration of Witness

I declare that I was personally present and did see Dezheng Wu, who is personally known to me to be the person named in this assignment, duly sign and execute the same.

Declared at shanghai China, on 3/1/2013.

  
Signature of Witness

Wang Jiqun  
Name of Witness

April 17, 2013  
Date

Lars Gertmar  
Lars Gertmar  
Humlegatan 6  
SE-722 26 Vasteras, Sweden

**Declaration of Witness**

I declare that I was personally present and did see Lars Gertmar, who is personally known to me to be the person named in this assignment, duly sign and execute the same.

Declared at Vasteras, on April 17, 2013.

[Signature]  
Signature of Witness

Charlotta Selander  
Name of Witness

28/2/2013  
Date

*Waqas Arshad*  
**Waqas Arshad**  
5104 Nautia Street  
Raleigh, North Carolina 27606

STATE OF : ss.  
COUNTY OF :

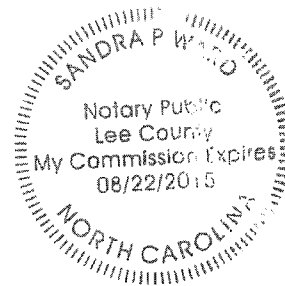
On February 28, 2013, before me, \_\_\_\_\_  
(insert name and title of the officer)  
personally appeared **Waqas Arshad**, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument

I certify under PENALTY OF PERJURY under the laws of the State of North Carolina that the foregoing paragraph is true and correct.


WITNESS my hand and official seal.

*Sandra P. Ward*  
Notary Public Signature  
*Sandra P. Ward*

(Seal)




2013-03-04  
Date

  
\_\_\_\_\_  
Cedric Monnay  
Kampegatan 13  
SE-431 39 Molndal, Sweden

**Declaration of Witness**

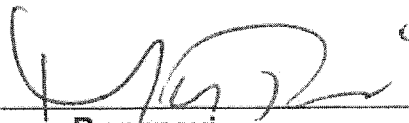
I declare that I was personally present and did see Cedric Monnay, who is personally known to me to be the person named in this assignment, duly sign and execute the same.

Declared at Molndal, Sweden, on 2013/03/04.

  
\_\_\_\_\_  
Signature of Witness

Kristina Hiljestränd  
\_\_\_\_\_  
Name of Witness

2013-04-02  
Date

  
\_\_\_\_\_  
Magnus Byggnevi  
Grenvagen 2  
S-632 39 Eskilstuna, Sweden

**Declaration of Witness**

I declare that I was personally present and did see Magnus Byggnevi, who is personally known to me to be the person named in this assignment, duly sign and execute the same.


Declared at ESKILSTUNA, on 2013-04-02

  
\_\_\_\_\_  
Signature of Witness

Annika Byggnevi  
\_\_\_\_\_  
Name of Witness




2013. 02. 28  
Date

  
\_\_\_\_\_  
**Frederic Tholence**  
Flottiljgatan 21  
S-723 48 Vasteras, Sweden

**Declaration of Witness**

I declare that I was personally present and did see Frederic Tholence, who is personally known to me to be the person named in this assignment, duly sign and execute the same.

Declared at Vasteras, on February 28 2013.

  
\_\_\_\_\_  
Signature of Witness

Gunnar Mattsson  
\_\_\_\_\_  
Name of Witness