

PATENT ASSIGNMENT

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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>Kari Saarinen</td> <td>12/06/2012</td> </tr> <tr> <td>Mirrasoul Mousavi</td> <td>12/13/2012</td> </tr> </tbody> </table>		Name	Execution Date	Kari Saarinen	12/06/2012	Mirrasoul Mousavi	12/13/2012
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Kari Saarinen	12/06/2012						
Mirrasoul Mousavi	12/13/2012						
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>13750469</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13750469		
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Application Number:	13750469						
CORRESPONDENCE DATA							
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
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NAME OF SUBMITTER:	Wesley W. Whitmyer, Jr.						
<p>Total Attachments: 3 source=04189-P0123A - Assignment to ABB Research Ltd#page1.tif source=04189-P0123A - Assignment to ABB Research Ltd#page2.tif source=04189-P0123A - Assignment to ABB Research Ltd#page3.tif</p>							

OP \$40.00 13750469

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 **METHOD AND SYSTEM FOR MULTI-IED EVENT ZONE IDENTIFICATION IN AN ELECTRICAL GRID**, bearing U.S. Patent Application No. 13/750,469 and filed on January 25, 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, Kari Saarinen and Mirrasoul Mousavi, have hereunto set our hands and affixed our seals.

6.12.2012
Date


Kari Saarinen
Kokhusgatan 8
SE-724 81 Vasteras, Sweden

Declaration of Witness

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

Declared at SECRIC, ABB, Västerås, on 6:th Dec 2012


Signature of Witness

Shiva Jander Javalley
Name of Witness

December 13, 2012
Date

Mirrasoul Mousavi
Mirrasoul Mousavi
102 Old Bridge LN
Cary, North Carolina 27518

STATE OF North Carolina : ss.
COUNTY OF Wake :

On December 13, 2012, before me, Sandra P Ward
(insert name and title of the officer)

personally appeared **Mirrasoul Mousavi**, 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

(Seal)

