

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>Tomas Tengner</td> <td>11/12/2012</td> </tr> </tbody> </table>		Name	Execution Date	Tomas Tengner	11/12/2012
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Tomas Tengner	11/12/2012				
RECEIVING PARTY DATA					
Name:	ABB Research Ltd.				
Street Address:	Affoltemstrasse 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>13683818</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13683818
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Application Number:	13683818				
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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ATTORNEY DOCKET NUMBER:	04189-P0117A				
NAME OF SUBMITTER:	Wesley W. Whitmyer, Jr.				
Total Attachments: 2 source=Assignment to ABB Research Ltd#page1.tif source=Assignment to ABB Research Ltd#page2.tif					

OP \$40.00 13683818

Assignment

WHEREAS, I, Tomas Tengner, a citizen of Sweden, reside at Stentorpsgatan 15A; S-723 43 Vasteras; Sweden, and have made certain inventions or discoveries (or both) as set forth in an application for Letters Patent of the United States of America, entitled **A Wireless Power Receiving Unit For Receiving Power, A Wireless Power Transferring Unit For Transferring Power, A Wireless Power Transferring Device And Use Of Wireless Power Transferring Device**, bearing U.S. Patent Application No. 13/683,818 and filed on November 21, 2012;

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 me, receipt and sufficiency of which I hereby acknowledge, I 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 my name 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 I 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 I have good right to assign the same to Assignee without encumbrance;

5. Bind my heirs, legal representatives and assigns, as well as myself, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to me 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 me, my 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 me 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 my control or in the control of my heirs, legal representatives or assigns, which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal.

2012-11-12
Date

Tomas Tengner
Tomas Tengner
Stentorpsgatan 21
S-723 43 Vasteras, Sweden

Declaration of Witness

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

Declared at VÄSTERÅS, SWEDEN., on 2012-NOV. 12th
ABB CORPORATE RESEARCH.

Terna Onelju
Signature of Witness

TERNA PERALVIGI
Name of Witness