PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2661733

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VIVEK GOPALAKRISHNAN	12/21/2013
SASI KUMAR S.R.	12/19/2013
BERNHARD DECK	12/17/2013

RECEIVING PARTY DATA

Name:	ABB RESEARCH LTD
Street Address:	AFFOLTERNSTRASSE 44
City:	ZURICH
State/Country:	SWITZERLAND
Postal Code:	CH-8050

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14142196

CORRESPONDENCE DATA

 Fax Number:
 (703)836-2021

 Phone:
 703-836-6620

Email: Ashley.Fernandez@bipc.com

Correspondence will be sent via US Mail when the email attempt is unsuccessful.

Correspondent Name: BUCHANAN, INGERSOLL & ROONEY PC

Address Line 1: POST OFFICE BOX 1404

Address Line 4: ALEXANDRIA, VIRGINIA 22313-1404

ATTORNEY DOCKET NUMBER:	0077833-000054
NAME OF SUBMITTER:	ASHLEY FERNANDEZ
Signature:	/Ashley Fernandez/
Date:	12/27/2013 PATENT

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	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 4 source=Dec_Assignment#page1.tif source=Dec_Assignment#page2.tif source=Dec_Assignment#page3.tif source=Dec_Assignment#page4.tif	

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COMBINED DECLARATION AND ASSIGNMENT

(JOINT)

As one of the below named inventors, I hereby declare that this Declaration is directed to:			
Ι	J.S. application number DISTRIBUTED WAVEFORM RECO	_filed on RDING IN A POWER	, entitled METHOD FOR DISTRIBUTION SYSTEM
	he attached application entitled MET RECORDING IN A POWER DISTRII		JTED WAVEFORM
DECLARATION			
As one of the below named inventors, I further declare that:			
The above-identified application was made or authorized to be made by me.			
I believe that I am an original joint inventor of a claimed invention in the application.			
I have reviewed and understand the contents of the above-identified application, including the claims.			
	uty to disclose to the U.S. Patent ar y as defined in Title 37, Code of Fed		
I hereby acknowledge that any willful false statement made in this declaration is punishable under 1 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.			

ASSIGNMENT

THIS ASSIGNMENT, by the undersigned inventors (hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements set forth in the application for Letters Patent of the United States identified above;

WHEREAS, <u>ABB RESEARCH LTD</u>, a corporation duly organized under and pursuant to the laws of <u>Switzerland</u> and having a principal place of business at <u>Affolternstrasse 44, CH-8050 Zurich, Switzerland</u> (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all

PATENT REEL: 031854 FRAME: 0238 applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behoof of the Assignee, its successors, legal representatives, and assigns.

21 Decrois	VivekGOPALAKRISHNAN	i L	J	
Date	Name		Signature	
	SasiKUMAR S.R.			
Qate	Name		Signature	
	BernhardDECK			
Date	Name	······································	Signature	

applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

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AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behoof of the Assignee, its successors, legal representatives, and assigns.

	VivekGOPALAKRISHNAN	*
Date	Name	Signature
19/12/2013 Date	SasiKUMAR S.R.	Denig Z
Date	Name	Signature
	BernhardDECK	
Date	Name	Signature

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AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behoof of the Assignee, its successors, legal representatives, and assigns.

	Vivek GOPALAKRISHNAN	
Date	Name	Signature
	Sasi KUMAR S.R.	
Date	Name	Signature
-17.12.2013	Bernhard DECK	Bernhard Les
Date	Name	Signature

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RECORDED: 12/27/2013