501930801 05/23/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
Ganesh KULATHU	03/22/2012
Arinjai GUPTA	03/21/2012
Diogenis PAPAEVANGELOU	03/20/2012
Willem OTTO VAN DER WAL	05/14/2012
Wolfgang WIMMER	05/23/2012
Martin NYKVIST	03/22/2012

RECEIVING PARTY DATA

Name:	ABB TECHNOLOGY LTD
Street Address:	Affolternstrasse 44
City:	Zurich
State/Country:	SWITZERLAND
Postal Code:	CH-8050

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	13414258	

CORRESPONDENCE DATA

Fax Number: (703)836-7419 Phone: 7038366620

Email: robin.copeland@bipc.com, adipdoc1@bipc.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: Buchanan Ingersoll & Rooney PC

Address Line 1: P.O. Box 1404

Address Line 4: Alexandria, VIRGINIA 22313-1404

ATTORNEY DOCKET NUMBER:	0077833-000027
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REEL: 028257 FRAME: 0001

PATENT

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NAME OF SUBMITTER:	Patrick C. Keane
Total Attachments: 5 source=Assignment027#page1.tif source=Assignment027#page2.tif source=Assignment027#page3.tif source=Assignment027#page4.tif source=Assignment027#page5.tif	

PATENT REEL: 028257 FRAME: 0002

ASSIGNMENT

(JOINT)

THIS ASSIGNMENT, by (1) Ganesh KULATHU, (2) Arinjai GUPTA. (3) Diogenis PAPAEVANGELOU, (4) Willem OTTO VAN DER WAL, (5) Wolfgang WIMMER, and (6) Martin NYKVIST, residing at (1) Bangalore, India; (2) Bangalore, India; (3) Oslo, Norway; (4) LB Naarden, Netherlands; (5) Riethelm, Switzerland; and (6) Singsby, Finland (hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in <u>METHOD AND SYSTEM FOR POWER MANAGEMENT</u> set forth in an application for Letters Patent of the United States, which is a

(1)		provisional application	
	(a)	bearing Application No, and filed on;	
	(b)	to be filed herewith; or	
(2)	X	on-provisional application	
	(a)	bearing Application No. <u>13/414,258</u> , and filed on March 7, 2012;	
	(b)	having an oath or declaration executed on even date herewith prior to filing of application;	
	(c)	having an oath or declaration executed on a different date than this Assignment; and	

WHEREAS, ABB TECHNOLOGY LTD, a corporation duly organized under and pursuant to the laws of Switzerland and having a principal place of business at Affolternstrasse 44, CH-8050 Zürlch, Switzerland (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 do 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 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;

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Attorney Docket No. <u>0077833-000027</u>
Page 2 of 2

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 authorize and request the attorneys of Buchanan Ingersoll & Rooney PC to insert in the spaces provided above the title of the invention, filing date, application number, and attorney's docket number of said application when known.

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 invention, the Letters Patent to be issued for the sole use and behoof of the Assignee, its successors, legal representatives, and assigns.

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	GANESH KULATHU
DATE21 - 03 - 2012	Jan.
	ARINJAI GÜPTA
DATE	,
	DIOGENIS PAPAEVANGELOU
DATE	
	WILLEM OTTO VAN DER WAL
DATE	WOLFGANG WIMMER
DATE	
	MARTIN NYKVIST

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DATE	GANESH KULATHU
DATE	ARINJAI GUPTA
DATE 20 MARGI-2012	DIOGENIS-PARAEVANGELOU
DATE14-5-2012	WILLEN OTTO VAN DER WAL
DATE	WOLFGANG WIMMER
DATE	MARTIN NVKVIST

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PATENT REEL: 028257 FRAME: 0005

Application No. 13/414,258 Attorney Docket No. 0077833-000027 Page 2 of 2

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	ARINJAI GUPTA
DATE	
	DIOGENIS PAPAEVANGELOU
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Attemeys & Government Relations Professionals

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RECORDED: 05/23/2012