## 501762275 12/20/2011

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

#### **CONVEYING PARTY DATA**

Name	Execution Date	
Atsuhiko KUZUMAKI	09/02/2011	
Hiroshi MOCHIKAWA	09/02/2011	
Takeru MURAO	09/05/2011	
Masahiro TAKASAKI	09/28/2011	
Tadao ISHIKAWA	10/03/2011	
Toshiaki KIKUMA	09/28/2011	

#### **RECEIVING PARTY DATA**

Name:	KABUSHIKI KAISHA TOSHIBA	
Street Address:	1-1, Shibaura 1-chome, Minato-Ku	
City:	Tokyo	
State/Country:	State/Country: Japan	
Postal Code:	105-8001	

Name:	Central Research Institute of Electric Power Industry		
Street Address:	6-1 Ohtemachi 1-chome		
City:	Chiyoda-ku, Tokyo		
State/Country:	JAPAN		
Postal Code:	100-8126		

#### PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	13330735	

## **CORRESPONDENCE DATA**

 Fax Number:
 (703)413-2220

 Phone:
 (703) 413-3000

 Email:
 dpollack@oblon.com

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

**REEL: 027417 FRAME: 0532** 

via US Mail.

Correspondent Name: Oblon, Spivak, et al.

Address Line 1: 1940 Duke Street

Address Line 4: Alexandria, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:

390355US2X CIP

NAME OF SUBMITTER:

Danielle Pollack

Total Attachments: 2

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PATENT REEL: 027417 FRAME: 0533

# **Assignment of Application**

	WHEREAS,	Kabushiki Kaisha Toshiba a	nd Central Research	Institute of Electric	Powe	r Industry	
	(Application No.	13/330,735	, filed	December	20,	2011	), and
F	have invented cer	tain new and useful improven	nents in: POWER C	CONVERSION DEV	/ICE		
							, respectively
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				:			
			***			<u> </u>	-
			, o, vupu				
		Tadao ISHIKAWA of Tok Toshiaki KIKUMA of Tok				<del>- 1 1</del>	
		Masahiro TAKASAKI of	<u> </u>				
		Takeru MURAO of Saitam	<del></del>				
i:		Hiroshi MOCHIKAWA of	Tokyo, Japan				

interests in the entire right, title and interest in and to said invention and in and to any Letters Potent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEES, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASS) GNEES as the assignees of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, their successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

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Further, I (WE) agree that I (WE) will communicate to said ASSIGNES or their representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, their successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Obion, Spivak, McClelland, Maier & Neustadt, L.L.P. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date:	Sep. 2, 2011		atsuhiko Kuzumaki
~		(Signature of Inventor)	Atsuhiko KUZUMAKI
Date:	Sep. 2, 2011		Viroshi Mochileana
_		(Signature of Inventor)	Hiroshi MOCHIKAWA
Date: _	Sep. 5, 2011		Takeru Jumair
_	<b>*</b>	(Signature of Inventor)	Takeru MURAO
Date:	Sep. 28, 2011		Magalino Takasal
_		(Signature of Inventor)	Masahiro TAKASAKI
Date:	Oct. 3, 2011		Todas Pshirkawa
-		(Signature of Inventor)	Tadao ISHUKAWA
Date:	Sep. 28, 2011		Toshaki Kikuma
-	<del></del>	(Signature of Inventor)	Toshiaki KIMURA

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

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