#### 503531587 10/20/2015

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
ATSUSHI TAKESHITA	10/06/2015

#### **RECEIVING PARTY DATA**

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### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	29543065

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ATTORNEY DOCKET NUMBER:	18730-392302	
NAME OF SUBMITTER: STEFAN J. KIRCHANSKI		
SIGNATURE:	/Stefan J. Kirchanski/	
DATE SIGNED:	10/20/2015	

**Total Attachments: 1** 

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**PATENT** 503531587

REEL: 036837 FRAME: 0352

# WORLDWIDE ASSIGNMENT

Attorney Docket No.: \_\_\_\_\_

WHEREAS Atushi TAKESHITA	, hereinafter (collectively) referred to as the
Assignor, has invented a certain improvement relating to LE for United States Letters Patent to be prepared,	AD FRAME , which said Assignor has caused an application
filed in the United States Patent and Trademark Office.	d concurrently with the execution of this instrument; said application to be ent and Trademark Office on, Serial Number,
WHEREAS <u>Kabushiki Kaisha Toshiba</u> acquiring the entire right, title and interest in and to said applicate said invention and any and all patents which may be grant thereof;	hereinafter referred to as the Assignee, is desirous of ation, including any and all divisions and continuations thereof, and in and therefore, including any and all renewals, reissues and prolongations
paid by Assignee to Assignor, the receipt and sufficiency of transfers, and has assigned, sold, and transferred to Assigned interest for the United States in and to the invention, the appand all divisions, continuations, in whole or in part, substitutiapplications claiming priority therefrom; and Assignor authorall patents for the invention, or patents resulting therefrom, in and enjoy, with all the rights, powers, privileges, and advanta the term or terms of any and all such patents when granted, it	eration of One Dollar (\$1.00), and other good and valuable consideration of which is hereby acknowledged, Assignor hereby assigns, sells and the its successors and assigns, the entire and exclusive right, title, and lication, and any patents which may be granted therefor, including any ions, renewals, reissues, reexaminations, and extensions thereof, and all izes and requests the Commissioner of Patents and Trademarks to issue sofar as their interest is concerned, to Assignee; to have, hold, exercise, ges in anywise arising therefrom or appertaining thereto, for and during for the use and benefit of said Assignee, and said Assignee's successors might or could have held and enjoyed the same, if this assignment had
assigns, the entire right, title and interest in all countries of patents which may be granted therefor, and all national continuations, in whole or in part, re-examinations, and exter for the invention in its own name, in all countries and including international convention, insofar as its interest is concerned; office in each country of the world to issue all patents for concerned, to the Assignee, to have and to hold for the sole as	and has assigned, sold, and transferred to Assignee, its successors and the world, in and to the invention and in and to the application and all applications, regional applications, divisions, reissues, substitutions, asions thereof, including the right to file applications and obtain patents and all rights of priority in all countries under the terms of any applicable and the Assignor hereby authorizes and requests the applicable patent the invention, or patents resulting therefrom, insofar as its interest is and exclusive use and benefit of the Assignee, its successors and assigns, of such patents for the invention may issue, to the same extent as the made.
connection therewith necessary to perfect such patent rights,	I patent applications, assignments, affidavits, and any other papers in and also agrees, at the request of the Assignee, to testify in any legal and generally do everything possible to aid said Assignee, its successors ection for said invention.
IN WITNESS WHEREOF, each individual collective	ely referred to as Assignor has caused this Assignment to be executed.
EXECUTED this day of _October 6, 2015.	
ASSIGNOR: [NAME] Signature: alsushiv Takeshita	WITNESS:
	Signature:
Name: Atushi TAKESHITA	Name:Address:
	Z Kudi Obbi.

DC2-295664

**RECORDED: 10/20/2015** 

PATENT REEL: 036837 FRAME: 0353