503548371 10/30/2015

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MASAMUNE TAKANO	10/13/2015

RECEIVING PARTY DATA

Name:	KABUSHIKI KAISHA TOSHIBA
Street Address:	1-1, SHIBAURA 1-CHOME
City:	MINATO-KU, TOKYO
State/Country:	JAPAN
Postal Code:	105-8001

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14928482

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: (202) 626-3600

Email: toshibapatents@whitecase.com

Correspondent Name: WHITE & CASE LLP

Address Line 1: 701 THIRTEENTH STREET, NW Address Line 4: WASHINGTON, D.C. 20005-3807

ATTORNEY DOCKET NUMBER:	1242236-0769
NAME OF SUBMITTER:	DAVID M. TENNANT
SIGNATURE:	/David M. Tennant/
DATE SIGNED:	10/30/2015

Total Attachments: 2

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PATENT 503548371 REEL: 036925 FRAME: 0969

ASSIGNMENT

Now, therefore, for good and valuable consideration, receipt and sufficiency of which is hereby acknowledged, the undersigned Inventor(s) (hereinafter referred to as "ASSIGNOR(S)"), hereby sell(s), assign(s) and transfer(s) to KABUSHIKI KAISHA TOSHIBA (hereinafter referred to as "ASSIGNEE"), organized and existing under the laws of JAPAN, having a place for the transaction of business at 1-1 Shibaura 1-chome, Minato-ku, Tokyo 105-8001 Japan, and the successors and assigns of the ASSIGNEE, the entire right, title and interest for the United States and its territorial possessions, and in all foreign countries, in and to the inventions and any and all improvements thereon which are the subject of an application entitled:

DEVICE MANUFACTURING METHOD AND DEVICE

And which is disclosed in the U.S. patent application executed on even date herewith, or if not so executed, was disclosed in:

(a) 🛚	U.S. patent application executed on		
(b) 🛚	U.S. application no. <u>14/928,482</u>	filed on October 30, 20	015
(c) 🗌	International (e.g., PCT, JP) applica	tion no.	filed on

And in and to the above application and any legal equivalent thereof in a foreign country, including the right to claim priority, and in and to any division, continuation or continuation-in-part, renewal or substitute thereof, and in and to all resulting Letters Patents or any reissue, reexamination certificate, supplemental examination certificate, post grant review certificate, inter partes review certificate, or otherwise, thereof, to have and to hold the same to the full end of the term or terms for which any and all of said Letters Patent may be granted;

ASSGNOR(S) authorize(s) and request(s) the issuing authority to issue any and all patents on said application or applications to said ASSIGNEE or its successors and assigns;

ASSIGNOR(S) hereby covenant(s) that ASSIGNOR(S) has/have the full power to make this assignment, and that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment; and

Without further payment or compensation by the ASSIGNEE or its successors and assigns, ASSIGNOR(S) further covenant(s) and agree(s) to communicate to said ASSIGNEE or its representatives, agents, its successors or assigns, any facts relating to said invention or inventions including evidence for purposes of interference, derivation or other administrative or legal proceedings whenever requested; to testify in any interference, legal or administrative proceedings, whenever requested; to execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and to do everything possible to aid said ASSIGNEE, its successors or assigns and nominees to secure, obtain and enforce proper patent protection for said invention or inventions in this or any foreign country.

Any attorney of record is authorized and requested by the execution of this assignment to insert into this assignment any further information necessary for recordation of this document.

IN WITNESS WHEREOF, the **ASSIGNOR(S)** has/have hereunto affixed his/her/their signatures on the date below written.

1)/	Masamune Jakano (Signature)	Masamune TAKANO (Type or Print Name)	Oct. [3, 20/5 (Date)
2)	(Signature)	(Type or Print Name)	(Date)
3)	(Signature)	(Type or Print Name)	(Date)
4)	(Signature)	(Type or Print Name)	(Date)
5)	(Signature)	(Type or Print Name)	(Date)
6)	(Signature)	(Type or Print Name)	(Date)