503416726 07/30/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3463360

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
HIROSHI TAKENO	04/01/2015	

RECEIVING PARTY DATA

Name:	SHIN-ETSU HANDOTAI CO., LTD.
Street Address:	6-2, OHTEMACHI 2-CHOME
City:	CHIYODA-KU TOKYO
State/Country:	JAPAN
Postal Code:	100-0004

PROPERTY NUMBERS Total: 1

Property Type	Number				
Application Number:	14764856				

CORRESPONDENCE DATA

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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.

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ATTORNEY DOCKET NUMBER:	ISH-0271
NAME OF SUBMITTER:	CHRISTOPHER M. TOBIN/AJH
SIGNATURE:	/Christopher M. Tobin/
DATE SIGNED:	07/30/2015

Total Attachments: 2

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PATENT 503416726 REEL: 036220 FRAME: 0301

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to Shin-Etsu Handotai Co., Ltd. a corporation, having an address at 6-2, Ohtemachi 2-chome, Chivoda-ku, Tokyo 1000004 JAPAN ("ASSIGNEE") for itself and its successors, transferees, and assignees, the following:

1.	The	entire	world	lwide	right,	title,	and	interes	t in	all	inve	ntions	and
improv e n	nents ("SUBJ	ECT	MAT	TER") that	are	disclo	sed i	in 1	the	provis	ional
applicatio	on filed	under	35 1	U.S.C.	§ 11	1(b)	or no	n-prov	isiona	ıl a	pplic	ation	filed
under 35	5 U.S.	C. §	111(a) and	enti	tled '	'MET	THOD	FO	R	ME	ASUR	ING
RECOM	BINAT	TION	LIFE	TIME	OF	SILI	CON	SUBS	TRA	TE	", }	pearing	g the
U.S. Ap	plication	on Se	rial l	No.			an	d file	d or	1	TANKATAN'A TELAFARA	170 Maria da de como contradora	a santana
("APPLIC	CATIO	N"); ar	ıd										

- 2. The entire worldwide right, title, and interest in and to:
- (a) the APPLICATION; (b) all applications claiming priority from the APPLICATION; (c) all utility, divisional, continuation, substitute, renewal, reissue, and other related applications thereto which have been or may be filed in the United States or elsewhere in the world; (d) all patents (including reissues and re-examinations) which may be granted on the applications set forth in (a), (b), (c) and (d) above; and (e) all right of priority in the APPLICATION, together with all rights to recover damages for infringement of provisional rights.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

INVENTOR grants the attorney(s) of record in this application the power to insert the U.S. Application Serial No. and filing date of the Application in the spaces provided above.

Assignment Docket No.:

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

This Assignment is executed on the date(s) indicated below.

<u>Jeiroshi Takemo</u> (First Inventor) Hiroshi TAKENO	Dated: April 1, 201
(Second Inventor)	Dated:
(Third Inventor)	Dated:

Assignment Docket No.:

PATENT REEL: 036220 FRAME: 0303