502533488 10/15/2013

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2578819

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CECILE D. JUNG-KUBIAK	05/30/2013
THEODORE RECK	05/30/2013
BERTRAND THOMAS	05/17/2013
ROBERT H. LIN	05/30/2013
ALEJANDRO PERALTA	05/30/2013
JOHN J. GILL	09/10/2013
CHOONSUP LEE	05/30/2013
JOSE V. SILES	05/30/2013
RISAKU TODA	05/13/2013
GOUTAM CHATTOPADHYAY	09/04/2013
KEN B. COOPER	05/30/2013
IMRAN MEHDI	05/30/2013

RECEIVING PARTY DATA

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Postal Code:	91125

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13871830

CORRESPONDENCE DATA

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PATENT REEL: 031411 FRAME: 0543

502533488

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Correspondence will be sent via US Mail when the email attempt is unsuccessful.

Correspondent Name: MILSTEIN ZHANG & WU LLC

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ATTORNEY DOCKET NUMBER:	CIT-5846
NAME OF SUBMITTER:	JOSEPH B. MILSTEIN
Signature:	/Joseph B. Milstein/
Date:	10/15/2013

Total Attachments: 8

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PATENT REEL: 031411 FRAME: 0544

JOINT ASSIGNMENT

WE, Cecile Jung-Kubiak, Theodore Reck, Bertrand Thomas, Robert H. Lin, Alejandro Peralta, John J. Gill, Choonsup Lee, Jose V. Siles, Risaku Toda, Goutam Chattopadhyay, Ken B. Cooper, and Imran Mehdi, believe that we are the inventors of the subject matter disclosed in the application for patent (hereinafter "the invention or inventions") identified herein as

SILICON ALIGNMENT PINS: AN EASY WAY TO REALIZE A WAFER-TO-WAFER ALIGNMENT

and further identified by Attorney Docket Number CIT-5846 which application for patent was filed on **April 26, 2013** and has been assigned Serial No. 13/871,830 by the United States Patent and Trademark Office.

For valuable consideration given to each of the undersigned, the receipt and sufficiency of which is hereby acknowledged, each of the undersigned agrees to assign, and hereby does assign, transfer and set over to the California Institute of Technology, a corporation incorporated in the State of California, and having a principal place of business at 1200 East California Boulevard, M/C 6-32, Pasadena, CA 91125, (hereinafter designated as the Assignee) his or her entire right, title and interest in the invention or inventions as represented by the application for patent identified herein (the 'application") in the United States, its territories, dependencies and possessions, his or her entire right, title, and interest in the application, and his or her entire right, title and interest in the invention or inventions as regards all other national jurisdictions and international entities that have the power to grant patents, wherever situated, including without limitation all applications for patent which claim priority to and/or the benefit of the subject matter disclosed in the application for patent identified herein, including any provisional application, utility application, design application, and/or plant application, as well as any continuation application, divisional application, continuation-in-part application, reissue application, reexamination application, patent interference proceeding, foreign national application and/or any application filed or to be filed under a patent treaty such as the International Convention for Protection of Industrial Property and/or the Patent Cooperation Treaty, and any Letters Patent which may be granted therefor in any jurisdiction.

In addition to the above assignment, each of the undersigned agrees to execute all papers necessary in connection with the application and any continuing applications, divisional applications, or continuations-in-part thereof, and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

Each of the undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

Each of the undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

- 1 -

Each of the undersigned agrees to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

Each of the undersigned hereby authorizes and requests the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he or she has full right to convey the entire interest herein assigned, and that he or she has not executed and will not execute, any agreement in conflict herewith.

Each of the undersigned hereby grants to any duly empowered legal representative, including all patent practitioners associated with Customer Number 70140, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or with the rules of any other national or international Patent Office for recordation of this document or a true copy thereof.

In witness whereof, this instrument has been executed by the undersigned on the date opposite the respective name of the undersigned.

Date	Signature	Cecile D. Jung-Kubiak	(SEAL)
Date	Signature	Theodore Reck	(SEAL)
Date	Signature	Bertrand Thomas	(SEAL)
Date	Signature	Robert H. Lin	(SEAL)
Date	Signature	Alejandro Peralta	(SEAL)
Date	Signature	John J. Gill	(SEAL)

Date	Signature	Choonsup Lee	(SEAL)
Date	Signature	Jose V. Siles	(SEAL)
Date	Signature	Risaku Toda	(SEAL)
Date	Signature _	Goutam Chattopadhyay	(SEAL)
Date	Signature	Ken B. Cooper	(SEAL)
Date	Signature	Imran Mehdi	(SEAL)

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Date_	5/6-//3	Signature	(SEAL) Cecile D. Jung-Kubiak
Date_	5/30/13	Signature	(SEAL)
Date_		Signature	(SEAL)
Date_	5/30/13	Signature	ープルイズ (SEAL) Robert H. Lin
Date_	7/30/13	Signature	Alejandro Peralta (SEAL)
Date_		Signature	(SFAL) John J. Gill

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Date	Sienature		(SEAL)
	and the same	Cecile D. Jung-Kubiak	
Date	Signature		(SEAL)
		Theodore Reck	
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Date 17,142,469,0	Signatore	Bertrand Thomas	(seve)
Date	Signature		(SEAL)
		Robert H. Lin	
19	Wranna .un		(SEAL)
Date	Signanne	Alejandro Peralta	(manara)
Date	Sionstore		(SEAL)
	C. C. Marine	John J. Gill	A Commence of the Commence of

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	-	Cecile D. Jung-Kubiak	· · · · · · · · · · · · · · · · · · ·
Date	Signature		(SEAL)
		Theodore Reck	
Date	Signature		(SEAL)
		Bertrand Thomas	
Date	Signature		(SEAL)
		Robert H. Lin	, ,
Date	Signature		(SEAL)
		Alejandro Peralta	~
Date 9/10/13	Signature		(SEAL)
	· •	John J. Gill	
		`- <i>7-</i>	

PATENT REEL: 031411 FRAME: 0550

Dute 5/30/2013	Signature	Choonsup Lee	(SÉAL)
Date <u>QS/30/20/3</u>	Signature	Jose V. Siles	(SEAL)
Date	Signature	Altaha Foda	(SEAL)
Date <u>9/4/2013</u>	Signature	Gasta Chattopadbyay	(SEAL)
Date <u>57/30/(3</u>	Signature	Ken B. Cooper	(SEAL)
Date <u>5/30/13</u>	Signature	Tingan Wehd	(SEAL)

Date	Signature		(SEAL)
		Choonsup Lee	
Date	Signature		(SEAL)
		Jose V. Siles	
Date 5/13/2013	Signature	72:47d	· (SEAL)
		Risaku Toda	
Date	Signature		(SEAL)
		Goutam Chattopadhyay	
Date	Signature		(SEAL)
		Ken B. Cooper	
Date	Signature		(SEAL)
	····	Imran Mehdi	