

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3808141

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the ASSIGNOR'S NAME FROM NILROY MUKHERJEE TO --NILOY MUKHERJEE-- previously recorded on Reel 037886 Frame 0413. Assignor(s) hereby confirms the ASSIGNMENT.

## CONVEYING PARTY DATA

Name	Execution Date
NITI GOEL	09/27/2013
ROBERT S. CHAU	09/30/2013
JACK T. KAVALIEROS	09/30/2013
BENJAMIN CHU-KUNG	10/01/2013
MATTHEW V. METZ	09/30/2013
NILOY MUKHERJEE	09/30/2013
NANCY M. ZELICK	10/01/2013
GILBERT DEWEY	09/30/2013
WILLY RACHMADY	09/30/2013
MARKO RADOSAVLJEVIC	09/30/2013
VAN H. LE	09/30/2013
RAVI PILLARISSETTY	01/29/2016
SANSAPTAK DASGUPTA	09/30/2013

## RECEIVING PARTY DATA

<b>Name:</b>	INTEL CORPORATION
<b>Street Address:</b>	2200 MISSION COLLEGE BOULEVARD
<b>City:</b>	SANTA CLARA
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95052

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14915185

## CORRESPONDENCE DATA

Fax Number: (408)720-8383

*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: 3102073800

Email: christina\_flores@bstz.com, database\_group@bstz.com

PATENT

**Correspondent Name:** BLAKELY SOKOLOFF TAYLOR ZAFMAN LLP  
**Address Line 1:** 1279 OAKMEAD PARKWAY  
**Address Line 4:** SUNNYVALE, CALIFORNIA 94085-4040

**ATTORNEY DOCKET NUMBER:** 42P55571US

**NAME OF SUBMITTER:** CHRISTINA FLORES

**SIGNATURE:** /christina flores/

**DATE SIGNED:** 03/30/2016

**Total Attachments: 10**

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<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3767308

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
NITI GOEL	09/27/2013
ROBERT S. CHAU	09/30/2013
JACK T. KAVALIEROS	09/30/2013
BENJAMIN CHU-KUNG	10/01/2013
MATTHEW V. METZ	09/30/2013
<del>NILROY</del> MUKHERJEE	09/30/2013
NANCY M. ZELICK	10/01/2013
GILBERT DEWEY	09/30/2013
WILLY RACHMADY	09/30/2013
MARKO RADOSAVLJEVIC	09/30/2013
VAN H. LE	09/30/2013
RAVI PILLARISSETTY	01/29/2016
SANSAPTAK DASGUPTA	09/30/2013

**RECEIVING PARTY DATA**

<b>Name:</b>	INTEL CORPORATION
<b>Street Address:</b>	2200 MISSION COLLEGE BOULEVARD
<b>City:</b>	SANTA CLARA
<b>State/Country:</b>	CALIFORNIA
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**Phone:** 408-720-8300  
**Email:** christina\_flores@bstz.com, database\_group@bstz.com  
**Correspondent Name:** BLAKELY SOKOLOFF TAYLOR ZAFMAN  
**Address Line 1:** 1279 OAKMEAD PARKWAY

## ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned inventor(s):

**Niti Goel; Robert S. Chau; Jack T. Kavalieros; Benjamin Chu-Kung; Matthew V. Metz; Niloy Mukherjee; Nancy M. Zelick; Gilbert Dewey; Willy Rachmady; Marko Radosavljevic; Van H. Le; Ravi Pillarisetty; Sansaptak Dasgupta**

hereby sell, assign, and transfer to:

### **Intel Corporation**

a corporation of Delaware, having a principal place of business at 2200 Mission College Boulevard, Santa Clara, California, 95052 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and improvements that are disclosed in the International application entitled:

### **NON-SILICON DEVICE HETEROLAYERS ON PATTERNED SILICON SUBSTRATE FOR CMOS BY COMBINATION OF SELECTIVE AND CONFORMAL EPITAXY**

(I hereby authorize and request my attorney, associated with Customer Number 45209, to insert on the designated lines below, the filing date and application number of said application when known.)

which was filed on September 27, 2013 as

International Application Number PCT/US2013/062463 and


which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

and in and to said International application and all related applications (e.g. national phase applications, divisional applications, continuation applications, reexaminations, reissues, and the like) that have been or shall be filed in the United States and/or all foreign countries on said inventions and improvements, as well as in and to all rights of priority resulting from the filing of said International application;

agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its

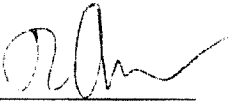
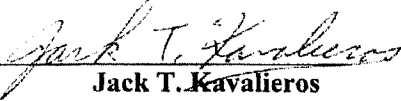

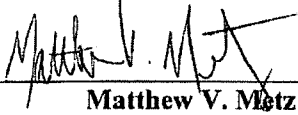
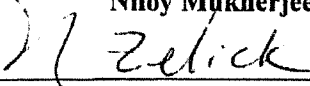
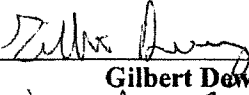

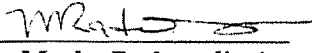

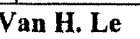
successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

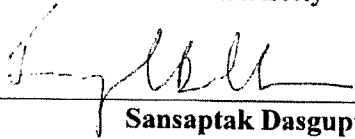
<u> Niti Goel</u>	<u>09/27/13</u> (Today's Date)
<u>Robert S. Chau</u>	<u>(Today's Date)</u>
<u>Jack T. Kavalieros</u>	<u>(Today's Date)</u>
<u>Benjamin Chu-Kung</u>	<u>(Today's Date)</u>
<u>Matthew V. Metz</u>	<u>(Today's Date)</u>
<u>Niloy Mukherjee</u>	<u>(Today's Date)</u>
<u>Nancy M. Zelick</u>	<u>(Today's Date)</u>
<u>Gilbert Dewey</u>	<u>(Today's Date)</u>
<u>Willy Rachmady</u>	<u>(Today's Date)</u>
<u>Marko Radosavljevic</u>	<u>(Today's Date)</u>
<u>Van H. Le</u>	<u>(Today's Date)</u>

successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

<hr/> <b>Niti Goel</b>  <hr/>	<hr/> (Today's Date) <u>9/30/2013</u> <hr/>
<hr/> <b>Robert S. Chau</b>  <hr/>	<hr/> (Today's Date) <u>9/30/2013</u> <hr/>
<hr/> <b>Jack T. Kavalieros</b>  <hr/>	<hr/> (Today's Date) <u>10/1/2013</u> <hr/>
<hr/> <b>Benjamin Chu-Kung</b>  <hr/>	<hr/> (Today's Date) <u>9/30/2013</u> <hr/>
<hr/> <b>Niloy Mukherjee</b>  <hr/>	<hr/> (Today's Date) <u>10/1/2013</u> <hr/>
<hr/> <b>Nancy M. Zelick</b>  <hr/>	<hr/> (Today's Date) <u>9/30/2013</u> <hr/>
<hr/> <b>Gilbert Dewey</b>  <hr/>	<hr/> (Today's Date) <u>9/30/13</u> <hr/>
<hr/> <b>Willy Rachmady</b>  <hr/>	<hr/> (Today's Date) <u>9/30/13</u> <hr/>
<hr/> <b>Marko Radosavljevic</b>  <hr/>	<hr/> (Today's Date)
<hr/> <b>Van H. Le</b>  <hr/>	<hr/> (Today's Date)

*Attorney Docket No.: P55571PCT*

\_\_\_\_\_  
**Ravi Pillarisetty**  
  
\_\_\_\_\_  
**Sansaptak Dasgupta**

\_\_\_\_\_  
(Today's Date)  
9/30/2013  
\_\_\_\_\_  
(Today's Date)

## **ASSIGNMENT**

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned inventor(s):

**Niti Goel; Robert S. Chau; Jack T. Kavalieros; Benjamin Chu-Kung; Matthew V. Metz; Niloy Mukherjee;  
Nancy M. Zelick; Gilbert Dewey; Willy Rachmady; Marko Radosavljevic; Van H. Le; Ravi Pillarisetty;  
Sansaptak Dasgupta**

hereby sell, assign, and transfer to

### **Intel Corporation**

a corporation of Delaware, having a principal place of business at 2200 Mission College Boulevard, Santa Clara, California, 95054 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all other countries, in and to any and all inventions and improvements that are disclosed in the application for the patent entitled:

### **NON-SILICON DEVICE HETEROLAYERS ON PATTERNED SILICON SUBSTRATE FOR CMOS BY COMBINATION OF SELECTIVE AND CONFORMAL EPITAXY**

**(I hereby authorize and request my attorney, associated with customer number 45209, to insert on the designated lines below, the filing date and application number of said application when known.)**

which was filed on September 27, 2013 as

International Application Number PCT/US2013/062453 and

which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

and in and to said application and all Additional Applications, and all other patent applications that have been or shall be filed in the United States and all other countries and international filing offices on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all other countries and international filing offices on said inventions and improvements; and in and to all rights of priority resulting from the filing of said applications; as used herein "Additional Applications" includes but is not limited to design, utility, utility model, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and national phase applications on said inventions and improvements;

and agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all Additional Applications, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and



covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

**Each Inventor: Please Sign and Date Below:**

---

Date \_\_\_\_\_ Name: **Niti Goel**

Date \_\_\_\_\_ Name: **Robert S. Chau**

Date \_\_\_\_\_ Name: **Jack T. Kavalieros**

Date \_\_\_\_\_ Name: **Benjamin Chu-Kung**

Date \_\_\_\_\_ Name: **Matthew V. Metz**

Date \_\_\_\_\_ Name: **Niloy Mukherjee**

Date \_\_\_\_\_ Name: **Nancy M. Zelick**

Date \_\_\_\_\_ Name: **Gilbert Dewey**

Date \_\_\_\_\_ Name: **Willy Rachmady**

Date \_\_\_\_\_ Name: **Marko Radosavljevic**

Date \_\_\_\_\_ Name: **Van H. Le**

Date 1/29/16 Name: **Ravi Pillarisetty**

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

**Each Inventor: Please Sign and Date Below:**

---

\_\_\_\_\_  
Date Name: **Sansaptak Dasgupta**

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Date Name:

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