

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2995698

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KAZUHIRO NARAHARA	03/28/2007
HIROTAKE KATO	03/28/2007
KOICHIRO HAYASHIDA	03/28/2007
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<b>City:</b>	KANAGAWA
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	254-0014
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13206310
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(704)444-1111
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<b>NAME OF SUBMITTER:</b>	CORY C. DAVIS
<b>SIGNATURE:</b>	/Cory C. Davis/
<b>DATE SIGNED:</b>	08/25/2014
<b>Total Attachments: 3</b>	
source=408830_AssignmentDocuments#page1.tif	
source=408830_AssignmentDocuments#page2.tif	
source=408830_AssignmentDocuments#page3.tif	

# RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the Patent and Trademark Office:  
Please record the attached documents or the new address(es) below.

Attorney Dkt. No.: 052659/326514

1. Name of conveying party(ies):

Kazuhiro NARAHARA  
Hirotaka KATO  
Koichiro HAYASHIDA

Additional name(s) of conveying party(ies) attached? Yes ☐ No ☒

2. Name and address of receiving party(ies):

SUMCO TECHXIV CORPORATION  
25-1 Shinomiya 3-chome, Hiratsuka-shi  
Kanagawa, 254-0014, JAPAN

Additional name(s) & address(es) attached? Yes ☐ No ☒

3. Nature of conveyance/ Execution Date(s):

Execution Date(s) 03/28/2007

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

4. Application or patent number(s):

A. Patent Application No.(s) \_\_\_\_\_

B. Patent No.(s) \_\_\_\_\_

☒ This document is being filed together with a new application. Additional numbers attached? Yes ☐ No ☒

5. Name and address of party to whom correspondence concerning document should be mailed:

**ALSTON & BIRD LLP**  
Bank of America Plaza  
101 South Tryon Street, Suite 4000  
Charlotte, NC 28280-4000

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00

- ☐ Enclosed  
☒ Authorized to be charged to deposit account  
☐ None required (government interest not affecting title)

8. Deposit account number: 16-0605

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9. Statement and signature: *To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

*Karl H. Koster*

Name of Person Signing: Karl H. Koster

March 30, 2007

Date

Reg. No. 50,684

Total number of pages including cover sheet, attachments, and documents: 3

USPTO Fax Number for New Assignments (571) 273-0140

**PATENT**  
**REEL: 033603 FRAME: 0082**

**ASSIGNMENT - WORLDWIDE**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

**SUMCO TECHXIV CORPORATION**

25-1, Shinomiya 3-chome, Hiratsuka-shi, Kanagawa, 254-0014, Japan

its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries in and to the invention in

**"Method of Manufacturing Epitaxial Silicon Wafer and Apparatus Therefor"**

as set forth in this United States Patent Application

- ☒ executed concurrently herewith  
☐ executed on \_\_\_\_\_  
☐ Application No. \_\_\_\_\_; filed \_\_\_\_\_  
☐ Application claims priority from Application No. \_\_\_\_\_, filed \_\_\_\_\_, all applications listed above being hereinafter referred to as the "application(s)";

(We hereby authorize and request the attorney of the Assignee (Alston & Bird LLP) to insert above the application number and filing date of said application when known.)

said application for United States Letters Patent, including all divisional, renewal, substitute, continuation, nonprovisionals, continuation-in-parts, and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues, reexaminations, and extensions of Letters Patent granted for said inventions or upon said applications and every priority right that is or may be predicated upon or arise from said inventions, said applications, and said Letters Patent; said Assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America being hereby authorized to issue or transfer all said Letters Patent to said Assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right theretofore given, and that the undersigned will do all acts reasonably serving to ensure that the said inventions, patent applications and Letters Patent shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, declarations, and lawful affidavits in form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or Letters Patent.

The undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment any further identification that may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

03 / 28 / 2007  
Date

Kazuhiko Narahara  
Kazuhiko NARAHARA

03/28/2007  
Date

Hiroataka Kato  
Hiroataka KATO

03/28/2007  
Date

Koichiro Hayashida  
Koichiro HAYASHIDA