

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Yasuhito NARUSHIMA	04/01/2009
Shinichi KAWAZOE	04/08/2009
Fukuo OGAWA	04/07/2009
Toshimichi KUBOTA	04/07/2009
RECEIVING PARTY DATA	
Name:	SUMCO TECHXIV CORPORATION
Street Address:	1324-2, Masuragahara-machi,
City:	Omura-shi, Nagasaki
State/Country:	JAPAN
Postal Code:	856-8555
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12524331
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	09264/LH
NAME OF SUBMITTER:	Nalini P. Sahadeo

OP \$40.00 12524331

Total Attachments: 1
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ASSIGNMENT - PCT

In consideration of value received, I, having a residence and post office address as stated below next to my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

DOPING APPARATUS AND METHOD FOR MANUFACTURING SILICON SINGLE CRYSTAL

sell and assign to **SUMCO TECHXIV CORPORATION**

a corporation of **Japan**

having a business address at **1324-2, Masuragahara-machi, Omura-shi, Nagasaki 856-8555, Japan**

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said application for United States patent executed concurrently herewith;

corresponding to international application number **PCT/JP2008/059509** filed **May 23, 2008** ;


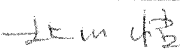


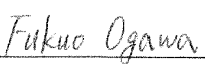
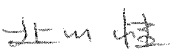

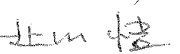
and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty it is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries.

I hereby grant to any attorney member of the following law firm the power to insert on this Assignment the Serial number and filing date of said application when known.

SERIAL NO.:

FILING DATE:

Frishauf, Holtz, Goodman & Chick, P.C., 220 Fifth Avenue – 16th Floor – New York, NY 10001-7708.

INVENTOR: SIGNATURE	DATE	POST OFFICE ADDRESS
Sign: 	Date: 2009. 4. 1	Address: c/o SUMCO TECHXIV CORPORATION, 1324-2, Masuragahara-machi, Omura-shi, Nagasaki 856-8555, Japan
Type: Yasuhito NARUSHIMA	Witness: 	
Sign: 	Date: 8. 4. 2009	Address: c/o SUMCO TECHXIV CORPORATION, 1324-2, Masuragahara-machi, Omura-shi, Nagasaki 856-8555, Japan
Type: Shinichi KAWAZOE	Witness: 	
Sign: 	Date: 2009. 4. 7	Address: c/o SUMCO TECHXIV CORPORATION, 1324-2, Masuragahara-machi, Omura-shi, Nagasaki 856-8555, Japan
Type: Fukuo OGAWA	Witness: 	
Sign: 	Date: 7. 9. 2009	Address: c/o SUMCO TECHXIV CORPORATION, 1324-2, Masuragahara-machi, Omura-shi, Nagasaki 856-8555, Japan
Type: Toshimichi KUBOTA	Witness: 	
NOTES: MUST BE DATED.	WITNESS DESIRABLE.	LEGALIZATION NOT REQUIRED.

RECORDING OFFICER:

After recording, please return to: **Customer No. 01933**
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RECORDED: 07/23/2009

PATENT
REEL: 022999 FRAME: 0675