

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Yasuhito NARUSHIMA</td><td>12/19/2008</td></tr><tr><td>Shinichi KAWAZOE</td><td>12/25/2008</td></tr><tr><td>Fukuo OGAWA</td><td>12/19/2008</td></tr><tr><td>Tsuneaki TOMONAGA</td><td>01/08/2009</td></tr><tr><td>Yasuyuki OHTA</td><td>12/24/2008</td></tr><tr><td>Toshimichi KUBOTA</td><td>12/19/2008</td></tr><tr><td>Shinsuke NISHIHARA</td><td>01/06/2009</td></tr></tbody></table>		Name	Execution Date	Yasuhito NARUSHIMA	12/19/2008	Shinichi KAWAZOE	12/25/2008	Fukuo OGAWA	12/19/2008	Tsuneaki TOMONAGA	01/08/2009	Yasuyuki OHTA	12/24/2008	Toshimichi KUBOTA	12/19/2008	Shinsuke NISHIHARA	01/06/2009
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Shinsuke NISHIHARA	01/06/2009																
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																	
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12515730</td></tr></tbody></table>		Property Type	Number	Application Number:	12515730												
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CORRESPONDENCE DATA																	
Fax Number:	(212)319-5101																
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
Phone:	212-319-4900																
Email:	nali@fhgc-law.com																
Correspondent Name:	FRISHAUF, HOLTZ, GOODMAN & CHICK, PC																
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Address Line 4:	NEW YORK, NEW YORK 10001																
ATTORNEY DOCKET NUMBER:	09083/LH																

OP \$40.00 12515730

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PATENT  
REEL: 022715 FRAME: 0302

NAME OF SUBMITTER:

Nalini P. Sahadeo

Total Attachments: 4

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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:

**METHOD FOR MANUFACTURING 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/JP2008/058483** filed **May 7, 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 – 16<sup>th</sup> Floor – New York, NY 10001-7708.

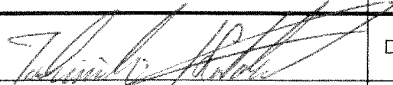

INVENTOR:SIGNATURE		DATE	POST OFFICE ADDRESS
Sign: <i>Yasuhito Narushima</i>	Date: <i>19.12.2008</i>	Address: c/o SUMCO TECHXIV CORPORATION, 1324-2, Masuragahara-machi, Omura-shi, Nagasaki 856-8555, Japan	
Type: Yasuhito NARUSHIMA	Witness: <i>北村 恒</i>		
Sign: <i>Shinichi Kawazoe</i>	Date: <i>25.12.2008</i>	Address: c/o SUMCO TECHXIV CORPORATION, 1324-2, Masuragahara-machi, Omura-shi, Nagasaki 856-8555, Japan	
Type: Shinichi KAWAZOE	Witness: <i>北村 恒</i>		
Sign: <i>Fukuo Ogawa</i>	Date: <i>19.12.2008</i>	Address: c/o SUMCO TECHXIV CORPORATION, 1324-2, Masuragahara-machi, Omura-shi, Nagasaki 856-8555, Japan	
Type: Fukuo OGAWA	Witness: <i>北村 恒</i>		
Sign: <i>Tsuneaki Tomonaga</i>	Date: <i>08.01.2009</i>	Address: c/o SUMCO TECHXIV CORPORATION, 1324-2, Masuragahara-machi, Omura-shi, Nagasaki 856-8555, Japan	
Type: Tsuneaki TOMONAGA	Witness: <i>北村 恒</i>		
NOTES: MUST BE DATED.			LEGALIZATION NOT REQUIRED.

RECORDING OFFICER:

After recording, please return to: **Customer No. 01933**  
**FRISHAUF, HOLTZ, GOODMAN & CHICK, P.C.**  
**220 Fifth Avenue – 16<sup>th</sup> Floor, New York, N.Y. 10001-7708**  
**Tel. No.: (212) 319-4900      Fax No.: (212) 319-5101**

**PATENT**  
**REEL: 022715 FRAME: 0304**

# ASSIGNMENT - PCT

INVENTOR:SIGNATURE	DATE	POST OFFICE ADDRESS
Sign:	Date:	Address:
Type: Yasuyuki OHTA	Witness:	c/o SUMCO TECHXIV CORPORATION, 1324-2, Masuragahara-machi, Omura-shi, Nagasaki 856-8555, Japan
Sign: 	Date: 19.12.2008	Address:
Type: Toshimichi KUBOTA	Witness: 	c/o SUMCO TECHXIV CORPORATION, 1324-2, Masuragahara-machi, Omura-shi, Nagasaki 856-8555, Japan
Sign:	Date:	Address:
Type: Shinsuke NISHIHARA	Witness:	c/o SUMCO TECHXIV CORPORATION, 1324-2, Masuragahara-machi, Omura-shi, Nagasaki 856-8555, Japan
Sign:	Date:	Address:
Type:	Witness:	
Sign:	Date:	Address:
Type:	Witness:	

NOTES: MUST BE DATED.  
RECORDING OFFICER:

WITNESS DESIRABLE.

LEGALIZATION NOT REQUIRED.

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## ASSIGNMENT - PCT

INVENTOR: SIGNATURE		DATE	POST OFFICE ADDRESS
Sign: <i>Yasuyuki OHTA</i>	Date: <i>Dec. 24, 2008</i>	Address: c/o SUMCO TECHXIV CORPORATION, 1324-2, Masuragahara-machi, Omura-shi, Nagasaki 856-8555, Japan	
Type: Yasuyuki OHTA	Witness: <i>北村 恒</i>		
Sign:	Date:	Address: c/o SUMCO TECHXIV CORPORATION, 1324-2, Masuragahara-machi, Omura-shi, Nagasaki 856-8555, Japan	
Type: Toshimichi KUBOTA	Witness:		
Sign:	Date:	Address: c/o SUMCO TECHXIV CORPORATION, 1324-2, Masuragahara-machi, Omura-shi, Nagasaki 856-8555, Japan	
Type: Shinsuke NISHIHARA	Witness:		
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Sign:	Date:	Address: c/o SUMCO TECHXIV CORPORATION, 1324-2, Masuragahara-machi, Omura-shi, Nagasaki 856-8555, Japan
Type: Toshimichi KUBOTA	Witness:	
Sign: <i>Shinsuke Nishihara</i>	Date: <i>6-Jan-09</i>	Address: c/o SUMCO TECHXIV CORPORATION, 1324-2, Masuragahara-machi, Omura-shi, Nagasaki 856-8555, Japan
Type: Shinsuke NISHIHARA	Witness: <i>Shin 中</i>	
Sign:	Date:	Address:
Type:	Witness:	
Sign:	Date:	Address:
Type:	Witness:	

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