

PATENT ASSIGNMENT

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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>AKI HIDAKA</td> <td>02/17/2012</td> </tr> <tr> <td>YOSHITAKA KATSUKAWA</td> <td>02/15/2012</td> </tr> <tr> <td>TSUYOSHI OKAMOTO</td> <td>02/15/2012</td> </tr> </tbody> </table>		Name	Execution Date	AKI HIDAKA	02/17/2012	YOSHITAKA KATSUKAWA	02/15/2012	TSUYOSHI OKAMOTO	02/15/2012		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>SANYO CHEMICAL INDUSTRIES, LTD.</td> </tr> <tr> <td>Street Address:</td> <td>11-1, IKKYO NOMOTO-CHO, HIGASHIYAMA-KU, KYOTO-SHI,</td> </tr> <tr> <td>City:</td> <td>KYOTO</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>605-0995</td> </tr> </table>		Name:	SANYO CHEMICAL INDUSTRIES, LTD.	Street Address:	11-1, IKKYO NOMOTO-CHO, HIGASHIYAMA-KU, KYOTO-SHI,	City:	KYOTO	State/Country:	JAPAN	Postal Code:	605-0995
Name:	SANYO CHEMICAL INDUSTRIES, LTD.										
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: (510)580-7280</p> <p>Email: usa@jcipgroup.com.tw</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: JIANQ CHYUN INTELLECTUAL PROPERTY OFFICE</p> <p>Address Line 1: 7F.-1, NO. 100, ROOSEVELT RD., SEC. 2,</p> <p>Address Line 4: TAIPEI, TAIWAN 100</p>											
ATTORNEY DOCKET NUMBER:	35351-US-421-PCT										
NAME OF SUBMITTER:	Belinda Lee										
<p>Total Attachments: 2</p> <p>source=35351us_assgn#page1.tif</p> <p>source=35351us_assgn#page2.tif</p>											

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customer ref. no 416-US
JC no. 35351-US-421-PCT

ASSIGNMENT

WHEREAS,

1. AKI HIDAKA
2. YOSHITAKA KATSUKAWA
3. TSUYOSHI OKAMOTO

hereinafter referred to as ASSIGNOR, has/have invented certain new and useful improvements as described and set forth in the below identified application for United States Letters Patent:

Title: WATER-SOLUBLE CUTTING FLUID FOR SLICING SILICON INGOTS

[] Filed: Serial No.

[x] Executed concurrently with the execution of this instrument

WHEREAS, **SANYO CHEMICAL INDUSTRIES, LTD.**
of 11-1, IKKYO NOMOTO-CHO, HIGASHIYAMA-KU, KYOTO-SHI, KYOTO
605-0995, JAPAN

hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in the said invention and application and in any U.S. Letters Patent which may be granted on the same:

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has/have sold, assigned and transferred, and by these presents does/do sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all his/her/their rights, title and interest in and to the said invention and application and all future improvements thereon, and in and to any Letters Patent which may hereafter be granted on the same in the United States, the said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignor had this Assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees/agree that he/she/they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee Lawfully may request, to obtain or maintain Letters Patent for said invention and improvement, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

2012 02/15 14:43 FAX 075 541 5108

15. FEB. 2012 11:48

JIANQ CHYUN

三洋化成工業知的財産部

NO. 145

P. 5 003

customer ref. no 415-US
JC no. 35351-US-421-PCT

ASSIGNMENT CONTINUED

IN TESTIMONY WHEREOF, Assignor has/have signed his/her/their name(s) on the date(s)
indicated.

Signature: Aki HidakaDate: February 17, 2012

Sole or First Joint Inventor: AKI HIDAKA

Signature: Yoshitaka KatsukawaDate: February 15, 2012

Second Joint Inventor (if any): YOSHITAKA KATSUKAWA

Signature: Tsuyoshi OkamotoDate: February 15, 2012

Third Joint Inventor (if any): TSUYOSHI OKAMOTO