

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Benno Orschel</td> <td>09/02/2009</td> </tr> <tr> <td>Keiichi Takanashi</td> <td>09/09/2009</td> </tr> </tbody> </table>		Name	Execution Date	Benno Orschel	09/02/2009	Keiichi Takanashi	09/09/2009				
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>SUMCO Phoenix Corporation</td> </tr> <tr> <td>Street Address:</td> <td>19801 North Tatum Blvd.</td> </tr> <tr> <td>City:</td> <td>Phoenix</td> </tr> <tr> <td>State/Country:</td> <td>ARIZONA</td> </tr> <tr> <td>Postal Code:</td> <td>85050</td> </tr> </table>		Name:	SUMCO Phoenix Corporation	Street Address:	19801 North Tatum Blvd.	City:	Phoenix	State/Country:	ARIZONA	Postal Code:	85050
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CORRESPONDENCE DATA											
<p>Fax Number: (312)421-4299</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 312-321-4200</p> <p>Email: bskinner@usebrinks.com</p> <p>Correspondent Name: John G. Rauch by Brenda Skinner</p> <p>Address Line 1: Brinks Hofer Gilson & Lione, NBC Tower</p> <p>Address Line 2: 455 N. Cityfront Plaza, Ste 3600</p> <p>Address Line 4: Chicago, ILLINOIS 60611</p>											
ATTORNEY DOCKET NUMBER:	13131-16										
NAME OF SUBMITTER:	John G. Rauch										
<p>Total Attachments: 4</p> <p>source=1313116ASSIGNMENT#page1.tif</p> <p>source=1313116ASSIGNMENT#page2.tif</p>											

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ASSIGNMENT

WHEREAS, Benno Orschel and Keiichi Takanashi, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled METHOD FOR CORRECTING SPEED DEVIATIONS BETWEEN ACTUAL AND NOMINAL PULL SPEED DURING CRYSTAL GROWTH, executed by Assignors on the same date as this Assignment;

WHEREAS, SUMCO Phoenix Corporation, a corporation organized and existing under the laws of United States of America, having a place of business at 19801 North Tatum Blvd., Phoenix AZ 85050, U.S.A., and SUMCO Corporation, a corporation also organized and existing under the laws of Japan, having a place of business at 1-2-1 Shibaura, Minato-ku, Tokyo, Japan 105-8634, hereinafter called the "Assignees", desire to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

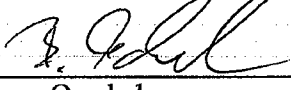

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of

the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATE:	<u>9/2/2009</u>	<u></u>
WITNESSED:		Benno Orschel
DATE:	<u>9/2/2009</u>	<u></u>
DATE:	_____	_____
DATE:	_____	_____
WITNESSED:		Keiichi Takanashi
DATE:	_____	_____
DATE:	_____	_____

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The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent

applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

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