

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
Name	Execution Date
Masaaki JINDAI	06/25/2009
Yoshiji SATO	06/25/2009
Makoto ABE	06/25/2009
<b>RECEIVING PARTY DATA</b>	
Name:	SUMITOMO ELECTRIC HARDMETAL CORP.
Street Address:	1-1, Koyakita 1-chome, Itami-shi,
City:	Hyogo
State/Country:	JAPAN
Postal Code:	664-0016
<b>PROPERTY NUMBERS Total: 1</b>	
Property Type	Number
Application Number:	12681714
<b>CORRESPONDENCE DATA</b>	
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ATTORNEY DOCKET NUMBER:	070456-0266
NAME OF SUBMITTER:	Stephen A. Becker
Total Attachments: 3 source=0704560266assignmenttransmittal#page1.tif source=0704560266assignment#page1.tif	

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**501139378**

**PATENT**  
**REEL: 024187 FRAME: 0278**



RECORDATION FORM COVER SHEET

**Docket No.: 070456-0266**

**PATENTS ONLY**

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

<p><b>1. Name of Conveying Party(ies)</b>  <b>Masaaki JINDAI, Yoshiji SATO, Makoto ABE</b></p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p><b>2. Name and address of receiving party(ies)</b>  Name: <b>SUMITOMO ELECTRIC HARDMETAL CORP.</b>  Internal Address:    Address: <b>1-1, Koyakita 1-chome, Itami-shi, Hyogo 664-0016 JAPAN</b></p> <p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p><b>3. Nature of Conveyance/Execution Date(s)</b></p> <p>Execution Date(s): <b>June 25, 2009</b></p> <div style="display: flex; justify-content: space-between;"> <div> <input checked="" type="checkbox"/> <b>Assignment</b>  <input type="checkbox"/> Security Agreement  <input type="checkbox"/> Joint Research Agreement  <input type="checkbox"/> Government Interest Assignment  <input type="checkbox"/> Executive Order 9424, Confirmatory License  <input type="checkbox"/> Other </div> <div> <input type="checkbox"/> Merger  <input type="checkbox"/> Change of Name </div> </div>	<p><input checked="" type="checkbox"/> This document is being filed together with a new application.  B. Patent No(s).</p>
<p>Additional numbers attached? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>	
<p><b>4. Application or patent number(s):</b>  A. Patent Application No(s).</p>	<p><b>5. Name and address to whom correspondence concerning document should be mailed:</b>  Name: <b>MCDERMOTT WILL &amp; EMERY LLP</b>  Internal Address:    Street Address: <b>600 13th Street, N.W.</b>    City: <b>Washington</b> State: <b>D. C.</b> Zip: <b>20005-3096</b>  Phone Number: <b>202.756.8000</b>  Fax Number: <b>202.756.8087</b>  Email Address:</p>
<p><b>6. Total number of applications and patents involved:</b></p> <p><b>7. Total fee (37 CFR 1.21(h) &amp; 3.41) <span style="float: right;">\$40.00</span></b>  <input type="checkbox"/> Authorized to be charged by credit card  <input checked="" type="checkbox"/> Authorized to be charged to deposit account  <input type="checkbox"/> Enclosed  <input type="checkbox"/> None required (government interest not affecting title)</p>	
<p><b>8. Payment Information:</b></p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>a. Credit Card      Last 4 Numbers _____  Expiration Date _____</p> <p>b. Deposit Account Number <u>500417</u>  Authorized User Name _____</p> </div> <div style="width: 45%;"></div> </div>	
<p><b>9. Signature.</b>  <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 40%;"> <p align="center"><b>Stephen A. Becker 26,527</b></p> <p>Name and Registration No. of Person Signing</p> </div> <div style="width: 30%; text-align: center;">   Signature </div> <div style="width: 30%; text-align: right;"> <p><b>April 5, 2010</b></p> <p>Date</p> </div> </div> <p align="right">Total number of pages including cover sheet, attachments and documents: <b>3</b></p> </p>	

Attorney Docket No.: \_\_\_\_\_

### ASSIGNMENT

WHEREAS, Masaaki JINDAI, Yoshiji SATO and Makoto ABE, hereinafter called the "Assignors," have jointly invented a new and useful invention entitled Twist Drill, for which he has:

- (a) filed an application for United States Letters Patent on \_\_\_\_\_ as (Serial No. \_\_\_\_\_); or
- (b) executed an application for United States Letters Patent on June 25, 2009; or
- (c) filed a provisional application on \_\_\_\_\_ as (Serial No. \_\_\_\_\_); and

WHEREAS, SUMITOMO ELECTRIC HARDMETAL CORP., a corporation organized and existing under the laws of Japan, having a place of business at: 1-1, Koyakita 1-chome, Itami-shi, Hyogo 664-0016 Japan, hereinafter called the "Assignee," is desirous of acquiring the entire right, title and interest in and to said invention, the application above identified, and in, to and under any Letters Patent which may be obtained to said invention, as hereinafter more fully set forth;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for and in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient considerations, the receipt of which by said Assignors from the said Assignee is hereby acknowledged, the said Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignee, the entire, right, title and interest for the United States in and to the invention and application hereinabove identified, and any Letters Patent of the United States that may issue for said invention, together with the entire right, title and interest in and to said invention and applications for Letters Patent and Letters Patent 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; to have and to hold for the sole and exclusive use and benefit of the said Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said inventions may issue.

And the said Assignors do hereby covenant and agree, for himself and his legal representatives, that he will assist the said Assignee in the prosecution of the application herein identified; in the making and prosecution of any other applications for Letters Patent that the said Assignee may elect to make covering the invention herein identified, as hereinabove set forth; in vesting in the said Assignee like exclusive title in and to all such other applications and Letters Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Letters Patent herein contemplated; and that they will execute and deliver to the said Assignee any and all additional papers which may be requested by the said Assignee to fully carry out the terms of this Assignment.

The undersigned hereby grant(s) the attorneys of McDermott, Will & Emery LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

And the Commissioner of Patents and Trademarks is hereby authorized and requested to issue Letters Patent to the said Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the said Assignors have hereunto set his hands and affixed his seal.

Date: June 25, 2009 Masaaki Jindai (Seal)  
Masaaki JINDAI

Date: June 25, 2009 Yoshiji Sato (Seal)  
Yoshiji SATO

Date: June, 25, 2009 Makoto Abe (Seal)  
Makoto ABE

Date: \_\_\_\_\_ (Seal)

Date: \_\_\_\_\_ (Seal)

Date: \_\_\_\_\_ (Seal)