

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
<b>CONVEYING PARTY DATA</b>									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Koyu Ota</td> <td>08/04/2010</td> </tr> <tr> <td>Makoto Sekiguchi</td> <td>08/04/2010</td> </tr> <tr> <td>Katsuhiko Yoshimaru</td> <td>08/04/2010</td> </tr> </tbody> </table>		Name	Execution Date	Koyu Ota	08/04/2010	Makoto Sekiguchi	08/04/2010	Katsuhiko Yoshimaru	08/04/2010
Name	Execution Date								
Koyu Ota	08/04/2010								
Makoto Sekiguchi	08/04/2010								
Katsuhiko Yoshimaru	08/04/2010								
<b>RECEIVING PARTY DATA</b>									
Name:	Mitsui Mining & Smelting Co., Ltd.								
Street Address:	11-1, Osaki 1-chome, Shinagawa-ku								
City:	Tokyo								
State/Country:	JAPAN								
Postal Code:	141-8584								
<b>PROPERTY NUMBERS Total: 1</b>									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12861123</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12861123				
Property Type	Number								
Application Number:	12861123								
<b>CORRESPONDENCE DATA</b>									
Fax Number:	(412)945-5933								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	412-471-8815								
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Correspondent Name:	THE WEBB LAW FIRM, P.C.								
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ATTORNEY DOCKET NUMBER:	5734-102364								
NAME OF SUBMITTER:	Kent E. Baldauf								

Total Attachments: 4  
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**501269103**

**PATENT**  
**REEL: 024871 FRAME: 0180**

**OP \$40.00 12861123**

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### RECORDATION FORM COVER SHEET PATENTS ONLY

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

**1. Name of conveying party(ies)**  
Koyu OTA  
Makoto SEKIGUCHI  
Katsuhiko YOSHIMARU  
  
Additional name(s) of conveying party(ies) attached?  Yes  No

**2. Name and address of receiving party(ies)**  
Name: MITSUI MINING & SMELTING CO., LTD.  
Internal Address: \_\_\_\_\_  
\_\_\_\_\_  
Street Address: 11-1, Osaki 1-chome  
Shinagawa-ku, Tokyo  
City: \_\_\_\_\_  
State: \_\_\_\_\_  
Country: JAPAN Zip: 141-8584  
  
Additional name(s) & address(es) attached?  Yes  No

**3. Nature of conveyance/Execution Date(s):**  
Execution Date(s) August 4, 2010  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other \_\_\_\_\_

**4. Application or patent number(s):**  This document is being filed together with a new application.  
A. Patent Application No.(s)  
12/861,123  
  
Additional numbers attached?  Yes  No

B. Patent No.(s)  
  
Additional numbers attached?  Yes  No

**5. Name and address to whom correspondence concerning document should be mailed:**  
Name: Kent E. Baldauf  
Internal Address: The Webb Law Firm  
\_\_\_\_\_  
Street Address: 436 Seventh Avenue  
700 Koppers Building  
City: Pittsburgh  
State: PA Zip: 15219  
Phone Number: 412-471-8815  
Fax Number: 412-945-5933  
Email Address: assignments@webblaw.com

**6. Total number of applications and patents involved:** 1  
**7. Total fee (37 CFR 1.21(h) & 3.41)** \$ 40.00  
 Authorized to be charged by credit card  
 Authorized to be charged to deposit account  
 Enclosed  
 None required (government interest not affecting title)

**8. Payment Information**  
a. Credit Card Last 4 Numbers 4775  
Expiration Date 05/2012  
b. Deposit Account Number 23-0650  
Authorized User Name \_\_\_\_\_

**9. Signature:** Kent E. Baldauf August 23, 2010  
Signature Date  
Kent E. Baldauf, Registration No. 25,826 Total number of pages including cover sheet, attachments, and documents: 4  
Name of Person Signing

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

INTERNATIONAL

Application No. \_\_\_\_\_

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

**ASSIGNMENT**

WHEREAS, as a below named inventor, I have invented certain new and useful improvements in

COPPER POWDER FOR CONDUCTIVE PASTE AND CONDUCTIVE PASTE

(Invention Title)

for which I have this day executed an application for a United States Patent (hereinafter "said application").

AND/OR

for which an application for a United States Patent was filed on \_\_\_\_\_ (mm/dd/yyyy) and bears Application Number \_\_\_\_\_ (hereinafter "said application").

AND/OR

for which an international patent application was filed under the Patent Cooperation Treaty on \_\_\_\_\_ (mm/dd/yyyy), bearing Application No. \_\_\_\_\_ (hereinafter "said application").

AND, WHEREAS, [MITSUI MINING & SMELTING CO.,LTD], a corporation of [JAPAN], having a place of business at [11-1, Osaki 1-chome, Shinagawa-ku, Tokyo 141-8584], hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed.

NOW, THEREFORE, for good and valuable consideration paid to me by said assignee, the receipt of which is hereby acknowledged, I as the inventor or as one of the inventors, hereinafter the assignor(s), do hereby assign, sell and transfer unto said assignee the full and exclusive right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, continuations-in-part, renewals and/or extensions thereof. Such assignment extends to the full ends of the terms of these applications and patents as fully and entirely as the same would have been held and enjoyed by me had this Assignment not been made.

I hereby authorize and request any attorney associated with The Webb Law Firm, Customer No. 28289, to insert here in parentheses (Application No. 12/861,123 filed 08/23/2010 ) the filing date and application number of said application when known.

I covenant that I am the lawful owner(s) of said application, inventions and improvements, that the same are unencumbered, that no license has been granted to make, use or vend the said inventions or improvements or any of them, and that I have the full right to make this Assignment.

And for the consideration aforesaid, I agree individually and, if applicable, jointly that I will communicate to said assignee or the representatives thereof any facts known to me respecting said inventions and improvements, and will, upon request but without expense to me, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue,

INTERNATIONAL

Application No. \_\_\_\_\_

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

continuation, continuation-in-part, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts deemed necessary or expedient by said assignee or by counsel for said assignee to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This Assignment shall be binding upon my heirs, executors, administrators and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns, as the case may be, of said assignee.

1. FULL NAME OF ASSIGNOR:  
OTA, Koyu

RESIDENCE:  
Gifu, JAPAN

EXECUTED this 4 day of August, 2010

Koyu Ota  
SIGNATURE

WITNESS:

Kanji Yoshimura

2. FULL NAME OF ASSIGNOR:  
SEKIGUCHI, Makoto

RESIDENCE:  
Gifu, JAPAN

EXECUTED this 4 day of August, 2010

Makoto Sekiguchi  
SIGNATURE

WITNESS:

Kanji Yoshimura

Checked Box indicates 1 additional page(s) for inventor signatures.

INTERNATIONAL

Application No. \_\_\_\_\_

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

3. FULL NAME OF ASSIGNOR:  
YOSHIMARU, Katsuhiko

RESIDENCE:  
Tokyo, JAPAN

EXECUTED this 4 day of August, 2010

Katsuhiko Yoshimaru  
SIGNATURE

WITNESS:

Kanji Yoshimura