

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
Name	Execution Date
Tohoku Chemical Industries, Ltd.	09/28/2009
<b>RECEIVING PARTY DATA</b>	
Name:	Sumitomo Metal Mining Co., Ltd.
Street Address:	11-3, Shimbashi 5-chome, Minato-ku
City:	Tokyo
State/Country:	JAPAN
Postal Code:	105-8716
<b>PROPERTY NUMBERS Total: 1</b>	
Property Type	Number
Patent Number:	5411792
<b>CORRESPONDENCE DATA</b>	
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Email:	ffcalvetti@hvpattentlaw.com
Correspondent Name:	Frederick F. Calvetti
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ATTORNEY DOCKET NUMBER:	34145
NAME OF SUBMITTER:	Catherine C. Miller
Total Attachments: 2 source=Assignment_5411792#page1.tif source=Assignment_5411792#page2.tif	

OP \$40.00 5411792

## ASSIGNMENT – U.S. RIGHTS

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned (referred to herein as the “ASSIGNOR”) hereby assigns, transfers, and sets over to:

**Sumitomo Metal Mining Co., Ltd.**

having the following address:

11-3, Shimbashi 5-chome, Minato-ku,  
Tokyo 105-8716  
JAPAN

(referred to herein both as “COMPANY”), its successors, and assigns, the entire right, title, and interest in the United States, in and to the invention bearing U.S. Patent No. 5,411,792, known by the following title:

### TRANSPARENT CONDUCTIVE SUBSTRATE

for which the undersigned has/have executed an application for patent, together with said patent application, all non-provisionals, divisions, continuations, continuations-in-part, reissues, and extensions thereof. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the ASSIGNEE if this assignment had not been made.

In addition, the undersigned ASSIGNOR hereby agrees:


1. To sign and execute any further documents which may be necessary or desirable, lawful, and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;
2. To execute all papers and documents and to perform all lawful acts which may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
3. To perform all lawful affirmative acts which may be necessary to obtain the grant of a valid and enforceable patent to COMPANY.

The undersigned ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

The undersigned ASSIGNOR hereby grants to the firm of HAHN & VOIGHT LAW OFFICES PLLC 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 or any other national or regional Patent Office for the recordation of this document.

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned individuals on the date appearing by such individual's signature:

September **28**, 2009  
Date

1<sup>st</sup> Signature:   
Print or Type Name: Hideyuki TSUNODA / President  
Tohoku Chemical Industries, Ltd.

\_\_\_\_\_  
Date

2<sup>nd</sup> Signature: \_\_\_\_\_  
Print or Type Name: \_\_\_\_\_

\_\_\_\_\_  
Date

3<sup>rd</sup> Signature: \_\_\_\_\_  
Print or Type Name: \_\_\_\_\_

\_\_\_\_\_  
Date

4<sup>th</sup> Signature: \_\_\_\_\_  
Print or Type Name: \_\_\_\_\_

\_\_\_\_\_  
Date

Witness: \_\_\_\_\_  
Print or Type Name: \_\_\_\_\_

\_\_\_\_\_  
Date

Witness: \_\_\_\_\_  
Print or Type Name: \_\_\_\_\_

When this Assignment is not filed concurrently with the patent application,  
the following identifying information may be added after execution:  
*U.S. or International Application Serial No.:*  
*Filing Date:*