

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Shimpei Hirose</td><td>09/17/2008</td></tr><tr><td>Yuji Ishiwari</td><td>09/17/2008</td></tr><tr><td>Hiroaki Kikuchi</td><td>09/17/2008</td></tr><tr><td>Hideo Takizawa</td><td>09/17/2008</td></tr></tbody></table>	Name	Execution Date	Shimpei Hirose	09/17/2008	Yuji Ishiwari	09/17/2008	Hiroaki Kikuchi	09/17/2008	Hideo Takizawa	09/17/2008	
Name	Execution Date										
Shimpei Hirose	09/17/2008										
Yuji Ishiwari	09/17/2008										
Hiroaki Kikuchi	09/17/2008										
Hideo Takizawa	09/17/2008										
RECEIVING PARTY DATA											
Name:	Mitsubishi Materials Corporation										
Street Address:	5-1, Otemachi 1-chome, Chiyoda-ku										
City:	Tokyo										
State/Country:	JAPAN										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12294533</td></tr></tbody></table>	Property Type	Number	Application Number:	12294533							
Property Type	Number										
Application Number:	12294533										
CORRESPONDENCE DATA											
Fax Number:	(212)527-7701										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	212-527-7700										
Email:	mhasegawa@darbylaw.com										
Correspondent Name:	Joseph R. Robinson										
Address Line 1:	P.O. Box 770, Church Street Station										
Address Line 4:	New York, NEW YORK 10008-0770										
ATTORNEY DOCKET NUMBER:	09852/0210624-US0										
NAME OF SUBMITTER:	Mami Hasegawa										
Total Attachments: 3 source=ASSIGNMENT#page1.tif source=ASSIGNMENT#page2.tif											

CH 12294533 \$40.00

500658264

PATENT
REEL: 021587 FRAME: 0371

Attorney Docket No.: _____

ASSIGNMENT

I, Shimpei HIROSE, a citizen of Japan, residing at
Kagawa-gun _____; JAPAN;

I, Yuji ISHIWARI, a citizen of Japan, residing at
Okegawa-shi _____; JAPAN;

I, Hiroaki KIKUCHI, a citizen of Japan, residing at
Okegawa-shi _____; JAPAN; and

I, Hideo TAKIZAWA, a citizen of Japan, residing at
Saitama-shi _____; JAPAN;

and each of us, if more than one person is identified above (hereinafter "ASSIGNOR") in consideration of the sum of Ten Dollars (\$10.00), or the equivalent thereof, and other good and valuable consideration, the sufficiency of which and receipt of which are hereby acknowledged, paid to ASSIGNOR by

MITSUBISHI MATERIALS CORPORATION

a corporation organized under the laws of Japan, located at 5-1, Otemachi 1-chome, Chiyoda-ku, Tokyo, Japan (hereinafter "ASSIGNEE"), do hereby sell and assign to said ASSIGNEE, its successors and assigns, the below indicated right, title, and interest, **in and for the United States of America only** in and to my Invention entitled: RING ROLLING MILL AND RING ROLLING METHOD

invented by me and described in the specification bearing the above Attorney Docket No. and title executed by me concurrently herewith; and Patent Application No. _____, filed on _____, in Japan and all patents, divisions, reissues, continuations and any extensions thereof and rights of priority therein, said interest being my entire ownership interest in the same, to be held and enjoyed by said ASSIGNEE, its successors, assigns, or other legal representatives, to the full end of the term thereof, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not be made;

And for the consideration aforesaid, I hereby covenant and agree to and with said ASSIGNEE, its successors and assigns, that whenever ASSIGNEE, its counsel or representative, or the counsel or representative of its successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with an application concerning said Invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of such application or patent issuing therefrom is lawful and desirable, I will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement of all lawful rights associated with the Invention, or for the reissue or continuation or extension of the same, will do all acts necessary or required to secure in said ASSIGNEE, its successors or assigns, the title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEE or its successors or assigns, but at its or their expense; and I hereby appoint every present or future officer of said ASSIGNEE as my agent to sign all such papers and to do all such necessary acts on my behalf, to the fullest extent permitted by law;

And I hereby authorize and request the Commission of Patents and Trademarks and any other granting authority to issue any Letters Patent resulting from said Invention and application(s) concerning same to said ASSIGNEE.

This assignment shall have an effective date corresponding to the last date of execution.

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that I have signed this document as my own free act and that all of the foregoing is true and correct.

Dated: September 17, 2008

Shimpei Hirose
Shimpei HIROSE, Inventor

Dated: September 17, 2008

Yuji Ishiwari
Yuji ISHIWARI, Inventor

US (P) 3/3

Dated: September 17, 2008

Hiroaki Kikuchi
Hiroaki KIKUCHI, Inventor

Dated: September 17, 2008

Hideo Takizawa
Hideo TAKIZAWA, Inventor