

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>Naoya HIRASE</td> <td>07/30/2009</td> </tr> <tr> <td>Tomio YAMAKAWA</td> <td>08/05/2009</td> </tr> <tr> <td>Kazuhiro SHIMODA</td> <td>08/06/2009</td> </tr> </tbody> </table>		Name	Execution Date	Naoya HIRASE	07/30/2009	Tomio YAMAKAWA	08/05/2009	Kazuhiro SHIMODA	08/06/2009				
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CORRESPONDENCE DATA													
Fax Number: (703)504-9415 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 202-835-1111 Email: mgarton@clarkbrody.com Correspondent Name: CLARK & BRODY Address Line 1: 1700 Diagonal Road Address Line 2: Suite 510 Address Line 4: Alexandria, VIRGINIA 22314													
ATTORNEY DOCKET NUMBER:	12143-0020												
NAME OF SUBMITTER:	Christopher W. Brody												
Total Attachments: 1													

CH \$40.00 12568698

501192794

PATENT
REEL: 024472 FRAME: 0289

ASSIGNMENT

Docket No.:

12143-0020

This is an Assignment of the following rights, title and interest:

☒ United States of America rights, title and interest in the invention

☒ Foreign rights, title and interest in the invention

☐ International Application No. _____

Date of Filing: _____

☐ United States Patent Application Serial No. _____

Date of Filing: _____

Title of the Invention: PIERCING MILL

Inventors (assignors): Naoya HIRASE, Tomio YAMAKAWA and Kazuhiro SHIMODA

Assignee: SUMITOMO METAL INDUSTRIES, LTD.
5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka, Japan

Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified assignee;

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said applications(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States, unto said Assignee.

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Naoya Hirase

Signature: Naoya HIRASE

2009.7.30

Date

Tomio Yamakawa

Signature: Tomio YAMAKAWA

2009.8.5

Date

Kazuhiro Shimoda

Signature: Kazuhiro SHIMODA

2009.8.6

Date

PATENT

RECORDED: 06/02/2010

REEL: 024472 FRAME: 0291