

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>Yasuto Higashida</td><td>07/04/2011</td></tr><tr><td>Yasuyoshi Hidaka</td><td>07/04/2011</td></tr><tr><td>Kazuhiro Shimoda</td><td>07/04/2011</td></tr><tr><td>Tomio Yamakawa</td><td>07/04/2011</td></tr></tbody></table>	Name	Execution Date	Yasuto Higashida	07/04/2011	Yasuyoshi Hidaka	07/04/2011	Kazuhiro Shimoda	07/04/2011	Tomio Yamakawa	07/04/2011	
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RECEIVING PARTY DATA											
Name:	SUMITOMO METAL INDUSTRIES, LTD.										
Street Address:	5-33, Kitahama 4-chome										
Internal Address:	Chuo-Ku, Osaka-shi										
City:	Osaka										
State/Country:	JAPAN										
Postal Code:	541-0041										
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>13212929</td></tr></tbody></table>	Property Type	Number	Application Number:	13212929							
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Application Number:	13212929										
CORRESPONDENCE DATA											
Fax Number: (312)474-0448 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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ATTORNEY DOCKET NUMBER:	30542/46335										
NAME OF SUBMITTER:	Jeffrey S. Sharp										
Total Attachments: 2 source=46335_assn#page1.tif source=46335_assn#page2.tif											

OP \$40.00 13212929

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PATENT
REEL: 026819 FRAME: 0635

ASSIGNMENT

Serial No: 13/212,929

Filed: August 18, 2011

Title: PLUG, PIERCING-ROLLING MILL, AND METHOD OF PRODUCING SEAMLESS TUBE BY USING THE SAME

For and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assign to SUMITOMO METAL INDUSTRIES, LTD., 5-33, Kitahama 4-chome, Chuo-Ku, Osaka-shi, Osaka 541-0041, JAPAN (hereinafter "Assignee"), its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for letters patent of the United States, and in said application and any and all other applications, both in the United States and in other countries, which the undersigned may file or be named as an inventor, either solely or jointly with others, on said invention or improvements, and in any and all letters patent of the United States and other countries, which may be obtained on any of said applications, and in any reissue or extension thereof.

The undersigned hereby authorize and request the Commissioner for Patents to issue said letters patent to said Assignee.

The undersigned warrant themselves to be the owners of the interest herein assigned and to have the right to make this assignment and further warrant that there are no outstanding prior assignments, licenses, or other rights in the interest herein assigned except in favor of Assignee.

For said consideration the undersigned hereby agree, upon the request and at the expense of said Assignee, its successors and assigns, to execute any and all applications on said invention or improvements, and any necessary oath or affidavit relating thereto, and any application for the reissue or extension of any letters patent that may be granted upon any and all of said applications, and any and all applications and other documents for letters patent in other countries on said invention or improvements, that said Assignee, its successors or assigns, may deem necessary or expedient, and for said consideration the undersigned further agree upon the request of said Assignee, its successors or assigns, in the event of any application or letters patent assigned herein becoming involved in Interference or Opposition, to cooperate to the best of the ability of the undersigned with said Assignee, its successors or assigns, in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, the undersigned hereby agreeing to perform, upon request, any and all affirmative acts to obtain said letters patent, both in the United States and in other countries, and vest all rights therein hereby conveyed in said Assignee, its successors and assigns, whereby said letters patent will be held and enjoyed by said Assignee, its successors and assigns, to the full end of the term for which said letters patent may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

WITNESS our hands this 4th day of July, 2011

1) Yasuto Higashida
Name: Yasuto HIGASHIDA

2) Yasuyoshi Hidaka
Name: Yasuyoshi HIDAKA

3) Kazuhiro Shimoda
Name: Kazuhiro SHIMODA

4) Tomio Yamakawa
Name: Tomio YAMAKAWA