

## PATENT ASSIGNMENT

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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>Atsuro ISEDA</td> <td>10/24/2012</td> </tr> <tr> <td>Takashi NAKASHIMA</td> <td>10/25/2012</td> </tr> <tr> <td>Tetsuo YOKOYAMA</td> <td>10/24/2012</td> </tr> <tr> <td>Tadashi KAWAKAMI</td> <td>10/25/2012</td> </tr> <tr> <td>Takuya HANADA</td> <td>10/31/2012</td> </tr> </tbody> </table>		Name	Execution Date	Atsuro ISEDA	10/24/2012	Takashi NAKASHIMA	10/25/2012	Tetsuo YOKOYAMA	10/24/2012	Tadashi KAWAKAMI	10/25/2012	Takuya HANADA	10/31/2012
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<table border="1"> <tr> <td>Name:</td> <td>NIPPON STEEL &amp; SUMITOMO METAL CORPORATION</td> </tr> <tr> <td>Street Address:</td> <td>6-1, Marunouchi 2-chome, Chiyoda-ku,</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>100-8071</td> </tr> </table>		Name:	NIPPON STEEL & SUMITOMO METAL CORPORATION	Street Address:	6-1, Marunouchi 2-chome, Chiyoda-ku,	City:	Tokyo	State/Country:	JAPAN	Postal Code:	100-8071		
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CORRESPONDENCE DATA													
<p>Fax Number: 7035049415  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 2028351111    Email: tlim@clarkbrody.com    Correspondent Name: CLARK &amp; BRODY    Address Line 1: 1700 Diagonal Road, Suite 510    Address Line 4: Alexandria, VIRGINIA 22314</p>													
ATTORNEY DOCKET NUMBER:	12054-0160												
NAME OF SUBMITTER:	Christopher W. Brody												
<p>Total Attachments: 2    source=asn1#page1.tif    source=asn1#page2.tif</p>													

CH \$40.00 13701862

ASSIGNMENT

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. PCT/JP2011/002524  
Date of Filing: May 2, 2011
- United States Patent Application Serial No. \_\_\_\_\_  
Date of Filing: \_\_\_\_\_

Title of the Invention: DOUBLE-WALLED TUBE WITH INTERFACE GAP AND PRODUCTION METHOD THEREFOR

Inventors (assignors): Atsuro ISEDA, Takashi NAKASHIMA, Tetsuo YOKOYAMA, Tadashi KAWAKAMI and Takuya HANADA

Assignee: NIPPON STEEL & SUMITOMO METAL CORPORATION  
6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8071 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;

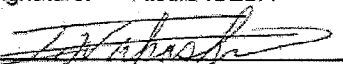
We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said applications(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, which may be granted 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;

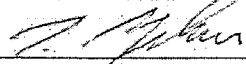
And we further agree to sign and execute all necessary and lawful future documents, including applications, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid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

  
Signature: Atsuro ISEDA

October 24, 2012  
Date

  
Signature: Takashi NAKASHIMA

October 25, 2012  
Date

  
Signature: Tetsuo YOKOYAMA

October 24, 2012  
Date

Assignment  
Page two

T Kawakami  
Signature: Tadashi KAWAKAMI

T Hanada  
Signature: Takuya HANADA

October 25, 2012  
Date

October 31, 2012  
Date