

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>Syunichi OOTSUKA</td> <td>04/15/2013</td> </tr> <tr> <td>Yoshitaka NISHIYAMA</td> <td>04/18/2013</td> </tr> <tr> <td>Tadashi KAWAKAMI</td> <td>04/20/2013</td> </tr> </tbody> </table>		Name	Execution Date	Syunichi OOTSUKA	04/15/2013	Yoshitaka NISHIYAMA	04/18/2013	Tadashi KAWAKAMI	04/20/2013
Name	Execution Date								
Syunichi OOTSUKA	04/15/2013								
Yoshitaka NISHIYAMA	04/18/2013								
Tadashi KAWAKAMI	04/20/2013								
RECEIVING PARTY DATA									
Name:	NIPPON STEEL & SUMITOMO METAL CORPORATION								
Street Address:	6-1, Marunouchi 2-chome, Chiyoda-ku,								
City:	Tokyo								
State/Country:	JAPAN								
Postal Code:	100-8071								
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>13993129</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13993129				
Property Type	Number								
Application Number:	13993129								
CORRESPONDENCE DATA									
Fax Number:	7035049415								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	2028351111								
Email:	tlim@clarkbrody.com								
Correspondent Name:	CLARK & BRODY								
Address Line 1:	1700 Diagonal Road, Suite 510								
Address Line 4:	Alexandria, VIRGINIA 22314								
ATTORNEY DOCKET NUMBER:	12054-0177								
NAME OF SUBMITTER:	Christopher W. Brody								
Signature:	/Christopher W. Brody/								
Date:	06/11/2013								
Total Attachments: 1 source=assn1#page1.tif									

CH \$40.00 13993129

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/JP2011/006940
Date of Filing: December 13, 2011
- United States Patent Application Serial No. _____
Date of Filing: _____

Title of the Invention: HIGH-CARBON CHROMIUM BEARING STEEL AND PRODUCTION METHOD OF THE SAME

Inventors (assignors): Syunichi OOTSUKA, Yoshitaka NISHIYAMA and Tadashi KAWAKAMI

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.

Syunichi OOTSUKA
Signature: Syunichi OOTSUKA

April 15, 2013
Date

[Signature]
Signature: Yoshitaka NISHIYAMA

April 18, 2013
Date

T. Kawakami
Signature: Tadashi KAWAKAMI

April 20, 2013
Date