

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Junichi NAKAGAWA	12/08/2010
Tadayuki ITO	12/08/2010
Tetsuo NISHIYAMA	12/08/2010
Masahiro DOKI	12/14/2010
Kozo SAITO	01/03/2011
Belal GHARAIBEH	01/11/2011
Keng Hoo CHUAH	01/21/2011
Ahmad SALAIMEH	01/03/2011
Masahiro YAMAMOTO	04/20/2011
Tomoya TAKEUCHI	03/01/2011
Kazufumi ITO	03/01/2011
Huaxiong HUANG	04/08/2011
Sean C. BOHUN	04/08/2011

RECEIVING PARTY DATA

Name:	NIPPON STEEL CORPORATION
Street Address:	6-1, Marunouchi 2-chome, Chiyoda-ku
City:	Tokyo
State/Country:	JAPAN
Postal Code:	100-8071

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13060658

CORRESPONDENCE DATA

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CH \$40.00 13060658

501534765

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ATTORNEY DOCKET NUMBER:	1551-0169PUS1
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NAME OF SUBMITTER:	Marc S. Weiner
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Total Attachments: 3
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BIRCH, STEWART, KOLASCH & BIRCH, LLPUNITED STATES PATENT RIGHTS, OR
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS**ASSIGNMENT**Application No. 13/060,658 Filed February 24, 2011Insert Name(s)
of Inventor(s)

*** (Given Name FAMILY NAME (ALL CAPS)) ***

WHEREAS, Junichi NAKAGAWA, Tadayuki ITO, Tetsuo NISHIYAMA, Masahiro DOKI, Kozo SAITO, Belal GHARAIBEH, Keng Hoo CHUAH, Ahmad SALAIMEH, Masahiro YAMAMOTO, Tomoya TAKEUCHI, Kazufumi ITO, Huaxiong HUANG, Sean C. BOHUN (hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in:

Insert Title
of Invention

METHOD FOR DETECTING DEFECT IN MATERIAL AND SYSTEM FOR THE METHOD

for which an application for Letters Patent of the United States of America has been executed by the undersigned (except in the case of a provisional application)

Insert Date
of Signing of
Application

December 8, 2010; December 14, 2010; December 15, 2010; January 3, 2011; January 11, 2011;
On January 21, 2011; March 1, 2011; April 8, 2011 and April 20, 2011; and

Insert Name
of Assignee
Insert Address
of AssigneeWHEREAS, **NIPPON STEEL CORPORATION**

of 6-1, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO 100-8071 JAPAN

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and

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IF APPROPRIATE☒ in any foreign countries.

NOW, THEREFORE, for good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignees the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries; and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.


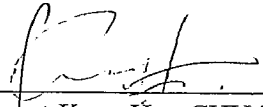
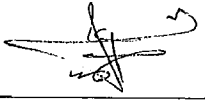


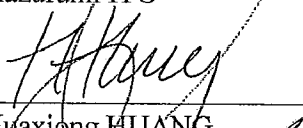

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	<u>Dec. 8, 2010</u>	Name of Inventor	<u>Junichi Nakagawa</u> (signature) Junichi NAKAGAWA
Date	<u>Dec. 8, 2010</u>	Name of Inventor	<u>Tadayuki Ito</u> (signature) Tadayuki ITO
Date	<u>Dec. 8, 2010</u>	Name of Inventor	<u>Tetsuo Nishiyama</u> (signature) Tetsuo NISHIYAMA
Date	<u>Dec. 14, 2010</u>	Name of Inventor	<u>Masahiro Doki</u> (signature) Masahiro DOKI
Date	<u>Jan 03, 2011</u>	Name of Inventor	<u>Kozo Saito</u> (signature) Kozo SAITO

Date <u>01/11/2011</u> ,	Name of Inventor <u></u> (signature) Belal GHARAIBEH
Date <u>01/21/2011</u> ,	Name of Inventor <u></u> (signature) Keng Hoo CHUAH
Date <u>01/03/2011</u> ,	Name of Inventor <u>Ahmad Salaimeh </u> (signature) Ahmad SALAIMEH
Date <u>20 Apr. 8 2011</u> ,	Name of Inventor <u></u> (signature) Masahiro YAMAMOTO
Date <u>03/01/2011</u> ,	Name of Inventor <u>Tomoya Takeuchi</u> (signature) Tomoya TAKEUCHI
Date <u>03/01/2011</u> ,	Name of Inventor <u></u> (signature) Kazufumi ITO
Date <u>04/08/2011</u> ,	Name of Inventor <u></u> (signature) Huaxiong HUANG
Date <u>04/08/2011</u> ,	Name of Inventor <u></u> (signature) Sean C. BOHUN
Date _____,	Name of Inventor _____ (signature)
Date _____,	Name of Inventor _____ (signature)
Date _____,	Name of Inventor _____ (signature)
Date _____,	Name of Inventor _____ (signature)
Date _____,	Name of Inventor _____ (signature)