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Takanori ISOBE, and Tadayuki KITAHARA	Internal Address:		
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Execution Date(s) June 16, 2011; June 20, 2011			
Additional name(s) of conveying party(ies) attached? Yes V			
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EXPRESS MAIL NO.: EM 093 910 491 US

PATENT

REEL: 027171 FRAME: 0370

Addendum to Box 2: Names of Receiving Parties:

TOKYO INSTITUTE OF TECHNOLOGY 2-12-1, Ookayama, Meguro-ku, Tokyo 152-8550 Japan

PATENT REEL: 027171 FRAME: 0371

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ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned hereby sell, assign, and transfer to (insert name of Assignee and address)

NIPPON STEEL CORPORATION	
6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8071 Japan	
and	
TOKYO INSTITUTE OF TECHNOLOGY	
2-12-1, Ookayama, Meguro-ku, Tokyo 152-8550 Japan	

("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and discoveries that are disclosed in the United States Patent Application entitled:

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and in and to said United States Patent Application and all provisional, divisional, continuing, substitute, renewal, reissue, and other patent applications that have been or shall be filed in the United States on any of said inventions and discoveries; and in and to all original and reissued patents that have been or shall be issued in the United States on said inventions and discoveries; and in and to all rights of priority resulting from the filing of said United States Patent Application;

agree that said Assignee may apply for and receive a patent or patents for said inventions and discoveries in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional, divisional, continuing, substitute, renewal, reissue, and other patent applications on any and all said inventions and discoveries; execute all rightful oaths, declarations, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions and discoveries and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions and discoveries and for vesting title to said inventions and discoveries, and all applications for patents and all patents on said inventions and discoveries, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

In witness whereof, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

Kazuhiko FUKUTANI	Kazaliko Fukutani	June 16, 2011
Typed Name	Signature	Date
Hideo NARISAWA	Hideo Napisava	June 16, 2011
Typed Name	Signature	Date

EM 093 910 491 US

PATENT REEL: 027171 FRAME: 0372 Typed Name

Takanori ISOBE

June 20, 2011

Date

Tadayuki KITAHARA

Tadayuki Kitahara

Tadayuki Kitahara

Tadayuki Signature

Tadayuki Signature

Tadayuki Date

NY01 731368v1