

PATENT ASSIGNMENT COVER SHEET

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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>SHIGEKI UETA</td> <td>08/14/2013</td> </tr> <tr> <td>HIROYUKI TAKABAYASHI</td> <td>08/14/2013</td> </tr> <tr> <td>EI KIMURA</td> <td>08/14/2013</td> </tr> <tr> <td>YUTA TANAKA</td> <td>08/30/2013</td> </tr> <tr> <td>SATOSHI TAKAHASHI</td> <td>08/30/2013</td> </tr> <tr> <td>ISAO NAKANOWATARI</td> <td>08/30/2013</td> </tr> <tr> <td>KOTA SASAKI</td> <td>08/30/2013</td> </tr> <tr> <td>KOSHIRO YAMANE</td> <td>08/30/2013</td> </tr> <tr> <td>SATORU YUSA</td> <td>08/30/2013</td> </tr> </tbody> </table>		Name	Execution Date	SHIGEKI UETA	08/14/2013	HIROYUKI TAKABAYASHI	08/14/2013	EI KIMURA	08/14/2013	YUTA TANAKA	08/30/2013	SATOSHI TAKAHASHI	08/30/2013	ISAO NAKANOWATARI	08/30/2013	KOTA SASAKI	08/30/2013	KOSHIRO YAMANE	08/30/2013	SATORU YUSA	08/30/2013
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KOSHIRO YAMANE	08/30/2013																				
SATORU YUSA	08/30/2013																				
RECEIVING PARTY DATA																					
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State/Country:	JAPAN																				
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City:	TOKYO																				
State/Country:	JAPAN																				
Postal Code:	135-8710																				
PROPERTY NUMBERS Total: 1																					
Property Type	Number																				
Application Number:	13910313																				
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NAME OF SUBMITTER:	SEAN MYERS-PAYNE
Signature:	/Sean Myers-Payne/
Date:	02/11/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 11
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COMBINED INVENTOR'S DECLARATION AND ASSIGNMENT

DECLARATION

The herein-identified application was made or authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Authorization to Permit Access to Application by Participating Office

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the herein-identified patent application is filed access to the herein-identified patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the herein-identified patent application is filed to have access to the herein-identified patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the herein-identified patent application with respect to: 1) the herein-identified patent application-as-filed; 2) any foreign application to which the herein-identified patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the herein-identified patent application; and 3) any U.S. application-as-filed from which benefit is sought in the herein-identified patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Offices.

The undersigned hereby authorizes the U.S. attorney or agent appointed herein to accept and follow instructions from either his foreign patent agent or corporate representative, if any, as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned.

Direct Correspondence to: **CUSTOMER NUMBER 07055**

At: Greenblum & Bernstein, P.L.C.
1950 Roland Clarke Place
Reston, VA 20191

Direct Telephone Calls to: Greenblum & Bernstein, P.L.C. (703) 716-1191

ASSIGNMENT

WHEREAS, **Shigeki UETA**, a resident of Aichi, JAPAN, whose mailing address is c/o Daido Steel Co., Ltd., Daido Corporate Research & Development Center, 30, 2-chome, Daido-cho, Minami-ku, Nagoya-shi, Aichi 457-8545 JAPAN, **Hiroyuki TAKABAYASHI**, a resident of Aichi, JAPAN, whose mailing address is c/o Daido Steel Co., Ltd., Daido Corporate Research & Development Center, 30, 2-chome, Daido-cho, Minami-ku, Nagoya-shi, Aichi 457-8545 JAPAN, **Ei KIMURA**, a resident of Aichi, JAPAN, whose mailing address is c/o Daido Steel Co., Ltd., Daido Corporate Research & Development Center, 30, 2-chome, Daido-cho, Minami-ku, Nagoya-shi, Aichi 457-8545 JAPAN, **Yuta TANAKA**, a resident of Tokyo, JAPAN, whose mailing address is c/o IHI CORPORATION, Toyosu Ihi Building, 1-1, Toyosu 3-chome, Koto-ku, Tokyo 135-8710 JAPAN, **Satoshi TAKAHASHI**, a resident of Tokyo, JAPAN, whose mailing address is c/o IHI CORPORATION, Toyosu Ihi Building, 1-1, Toyosu 3-chome, Koto-ku, Tokyo 135-8710 JAPAN, **Isao NAKANOWATARI**, a resident of Tokyo, JAPAN, whose mailing address is c/o IHI CORPORATION, Toyosu Ihi Building, 1-1, Toyosu 3-chome, Koto-ku, Tokyo 135-8710 JAPAN, **Kota SASAKI**, a resident of Tokyo, JAPAN, whose mailing address is c/o IHI CORPORATION, Toyosu Ihi Building, 1-1, Toyosu 3-chome, Koto-ku, Tokyo 135-8710 JAPAN, **Koshiro YAMANE**, a resident of Tokyo, JAPAN, whose mailing address is c/o IHI CORPORATION, Toyosu Ihi Building, 1-1, Toyosu 3-chome, Koto-ku, Tokyo 135-8710 JAPAN, and **Satoru YUSA**, a resident of Tokyo, JAPAN, whose mailing address is c/o IHI CORPORATION, Toyosu Ihi Building, 1-1, Toyosu 3-chome, Koto-ku, Tokyo 135-8710 JAPAN, hereinafter referred to as the ASSIGNORS, have invented a certain improvement relating to

MARAGING STEEL

for which they have jointly executed an application for Letters Patent for the United States which was filed in the United States Patent and Trademark Office on June 05, 2013 and was awarded Application No. **13/910,313**.

AND WHEREAS, **DAIDO STEEL CO., LTD.**, a corporation organized and existing under the laws of JAPAN, whose mailing address is 1-10, Higashisakura 1-chome, Higashi-ku, Nagoya, Aichi, JAPAN, and **IHI CORPORATION**, a corporation organized and existing under the laws of JAPAN, whose mailing address is Toyosu Ihi Building, 1-1, Toyosu 3-chome, Koto-ku, Tokyo 135-8710 JAPAN, hereinafter known as the ASSIGNEES, are each desirous of acquiring an equal undivided interest in the entire right, title and interest for the United States in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations, and prolongations thereof.

NOW, THIS WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNORS hereby assign, sell and transfer to said ASSIGNEES, their assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor and all rights to sue for past and future infringement thereunder, said ASSIGNEES and their assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all divisions

and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations, and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations, and prolongations thereof, for the use and benefit of said ASSIGNEES and their assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNORS might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNORS hereby agree to execute all papers necessary to file applications in the United States for said invention and to assign the same to said ASSIGNEES, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said ASSIGNORS authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEES, their assigns and legal representatives, in accordance herewith.

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNORS, on the respective date(s) indicated below.

First Witness (optional):

(Name)

(Date)

Shigeki Ueta

Shigeki UETA

August 14, 2013
Date

Second Witness (optional):

(Name)

(Date)

{P44008 01796981.DOC}

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNORS, on the respective date(s) indicated below.

First Witness (optional):

(Name)

(Date)



Hiroyuki TAKABAYASHI

August 14, 2013
Date

Second Witness (optional):

(Name)

(Date)

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNORS, on the respective date(s) indicated below.

First Witness (optional):

(Name)

(Date)

林 永

Ei KIMURA

August 14, 2013

Date

Second Witness (optional):

(Name)

(Date)

{P44008 01796981.DOC}

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNORS, on the respective date(s) indicated below.

First Witness (optional):

(Name)

(Date)

Yuta Tanaka
Yuta TANAKA

August 30, 2013
Date

Second Witness (optional):

(Name)

(Date)

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNORS, on the respective date(s) indicated below.

First Witness (optional):

(Name)

(Date)

Satoshi Takahashi
Satoshi TAKAHASHI

August 30, 2013
Date

Second Witness (optional):

(Name)

(Date)

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNORS, on the respective date(s) indicated below.

First Witness (optional):

(Name)

(Date)

Isao Nakanowatari

Isao NAKANOWATARI

August 30, 2013
Date

Second Witness (optional):

(Name)

(Date)

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNORS, on the respective date(s) indicated below.

First Witness (optional):

(Name)

(Date)

Kota Sasaki
Kota SASAKI

August 30, 2013
Date

Second Witness (optional):

(Name)

(Date)

{P44008 01796981.DOC}

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNORS, on the respective date(s) indicated below.

First Witness (optional):

(Name)

(Date)

Koshiro Yamane

Koshiro YAMANE

August 30, 2013

Date

Second Witness (optional):

(Name)

(Date)

{P44008 01796981.DOC}

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNORS, on the respective date(s) indicated below.

First Witness (optional):

(Name)

(Date)

Satoru Yusa
Satoru YUSA

August 30, 2013
Date

Second Witness (optional):

(Name)

(Date)

{P44008 01796981.DOC}