

PATENT ASSIGNMENT COVER SHEET

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| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | | | | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>HIROYUKI MORI</td> <td>06/03/2013</td> </tr> <tr> <td>MUNEHISA MATSUI</td> <td>06/03/2013</td> </tr> <tr> <td>KEIJI HAYASHI</td> <td>06/03/2013</td> </tr> <tr> <td>YOSHIO FUWA</td> <td>06/03/2013</td> </tr> <tr> <td>TAKATOSHI SHINYOSHI</td> <td>06/03/2013</td> </tr> <tr> <td>SATOSHI JINNO</td> <td>06/03/2013</td> </tr> <tr> <td>KENJI SHIMODA</td> <td>06/03/2013</td> </tr> <tr> <td>SATOSHI HIROTA</td> <td>06/03/2013</td> </tr> <tr> <td>KOICHIRO AKARI</td> <td>06/03/2013</td> </tr> <tr> <td>HIROTAKA ITO</td> <td>06/03/2013</td> </tr> </tbody> </table> | | Name | Execution Date | HIROYUKI MORI | 06/03/2013 | MUNEHISA MATSUI | 06/03/2013 | KEIJI HAYASHI | 06/03/2013 | YOSHIO FUWA | 06/03/2013 | TAKATOSHI SHINYOSHI | 06/03/2013 | SATOSHI JINNO | 06/03/2013 | KENJI SHIMODA | 06/03/2013 | SATOSHI HIROTA | 06/03/2013 | KOICHIRO AKARI | 06/03/2013 | HIROTAKA ITO | 06/03/2013 |
| Name | Execution Date | | | | | | | | | | | | | | | | | | | | | | |
| HIROYUKI MORI | 06/03/2013 | | | | | | | | | | | | | | | | | | | | | | |
| MUNEHISA MATSUI | 06/03/2013 | | | | | | | | | | | | | | | | | | | | | | |
| KEIJI HAYASHI | 06/03/2013 | | | | | | | | | | | | | | | | | | | | | | |
| YOSHIO FUWA | 06/03/2013 | | | | | | | | | | | | | | | | | | | | | | |
| TAKATOSHI SHINYOSHI | 06/03/2013 | | | | | | | | | | | | | | | | | | | | | | |
| SATOSHI JINNO | 06/03/2013 | | | | | | | | | | | | | | | | | | | | | | |
| KENJI SHIMODA | 06/03/2013 | | | | | | | | | | | | | | | | | | | | | | |
| SATOSHI HIROTA | 06/03/2013 | | | | | | | | | | | | | | | | | | | | | | |
| KOICHIRO AKARI | 06/03/2013 | | | | | | | | | | | | | | | | | | | | | | |
| HIROTAKA ITO | 06/03/2013 | | | | | | | | | | | | | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | | | | | | | | | | | | | |
| Name: | KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.) | | | | | | | | | | | | | | | | | | | | | | |
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| City: | KOBE-SHI, HYOGO | | | | | | | | | | | | | | | | | | | | | | |
| State/Country: | JAPAN | | | | | | | | | | | | | | | | | | | | | | |
| Postal Code: | 651-8585 | | | | | | | | | | | | | | | | | | | | | | |
| 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>14110782</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 14110782 | | | | | | | | | | | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | | | | | | | | | | | |
| Application Number: | 14110782 | | | | | | | | | | | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | | | | | | | | | | | |
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| <i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i> | | | | | | | | | | | | | | | | | | | | | | | |
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OP \$40.00 14110782

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| ATTORNEY DOCKET NUMBER: | 422263US99PCT |
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| NAME OF SUBMITTER: | LIZ RODRIGUEZ |
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|------------|-----------------|
| Signature: | /Liz Rodriguez/ |
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| Date: | 10/09/2013 |
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| Total Attachments: 2 source=422263USASSIGNMENT#page1.tif source=422263USASSIGNMENT#page2.tif |
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ASSIGNMENT OF APPLICATION

WHEREAS I (WE) HIROYUKI MORI of Nisshin-shi, Aichi, Japan, MUNEHISA MATSUI of Toyota-shi, Aichi, Japan, KEIJI HAYASHI of Nagoya-shi, Aichi, Japan, YOSHIO FUWA of Toyota-shi, Aichi, Japan, TAKATOSHI SHINYOSHI of Toyota-shi, Aichi, Japan, SATOSHI JINNO of Toyota-shi, Aichi, Japan, KENJI SHIMODA of Nagoya-shi, Aichi, Japan, SATOSHI HIROTA of Takasago-shi, Hyogo, Japan, KOICHIRO AKARI of Takasago-shi, Hyogo, Japan, HIROTAKA ITO of Kobe-shi, Hyogo, Japan, respectively, have invented certain new and useful improvements in:

SLIDING MEMBER

(Application No. _____, filed _____), and

WHEREAS, Kabushiki Kaisha Kobe Seiko Sho (Kobe Steel, Ltd.) having a place of business at: 2-4, Wakinohama-Kaigandori 2-chome, Chuo-ku, Kobe-shi, Hyogo, 651-8585, Japan, (hereinafter referred to as "ASSIGNEE") is/are desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefore in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behalf of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, L.L.P. of 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314 U.S.A. the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date June 3, 2013

Hiroyuki Mori
HIROYUKI MORI

Date June 3, 2013

Munekisa Matsui
MUNEHISA MATSUI

Date June 3, 2013

Keiji Hayashi
KEIJI HAYASHI

Date June 3, 2013

Yoshio Fuwa
YOSHIO FUWA

Date June 3, 2013

Takatoshi Shinyoshi
TAKATOSHI SHINYOSHI

Date June 3, 2013

Satoshi Jinno
SATOSHI JINNO

Date June 3, 2013

Kenji Shimoda
KENJI SHIMODA

Date June 3, 2013

廣田 悟史
SATOSHI HIROTA

Date June 3, 2013

赤理 孝一郎
KOICHIRO AKARI

Date June 3, 2013

伊藤 弘高
HIROTAKA ITO

Date