## 501774918 01/04/2012

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Hiroyuki MITANI	11/01/2010
Kyoji ZAITSU	11/01/2010
Kenichi INOUE	11/01/2010
Osamu OZAKI	11/01/2010
Hiroshi HASHIMOTO	11/01/2010
Hirofumi HOJO	11/01/2010
Koji INOUE	11/01/2010
Eiichiro YOSHIKAWA	11/01/2010
Naoya FUJIWARA	11/01/2010

## **RECEIVING PARTY DATA**

Name:	KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.)	
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State/Country:	Japan	
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#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13381679

## **CORRESPONDENCE DATA**

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<u>PATENT</u>

REEL: 027475 FRAME: 0191

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ATTORNEY DOCKET NUMBER:	391270US41PCT
NAME OF SUBMITTER:	Adel Samuel
Total Attachments: 2 source=391270USAssignment#page1.tif source=391270USAssignment#page2.tif	

PATENT REEL: 027475 FRAME: 0192 ASSIGNMENT OF APPLICATION

WHEREAS I (WE) HIROYUKI MITANI, KYOJI ZAITSU, KENICHI INOUE, OSAMU OZAKI, HIROSHI HASHIMOTO,

HIROFUMI HOJO, KOJI INOUE, EIICHIRO YOSHIKAWA and NAOYA FUJIWARA of c/o Kobe Corporate Research

Laboratories in Kobe Steel, Ltd. 5-5, Takatsukadai 1-chome, Nishi-ku, Kobe-shi, Hyogo 651-2271 Japan,

invented certain new and useful improvements in:

REACTOR

13/381,679 (Application No.

December 30, 2011

WHEREAS, Kabushiki Kaisha Kobe Seiko Sho (Kobe Steel, Ltd.) having a place of business at: 10-26, Wakinohama-cho

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 STREETALEXANDRIA, VIRGINIA 22314U.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.

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PATENT

**REEL: 027475 FRAME: 0193** 

Date	November	1,2010	三 发 完 幸 HIROYUKI MITANI
Date	November	1,2010	財津享司 KYOJI ZAITSU
Date	November	1,2010	井上憲 — KENICHI INOUE
Date	November	1,2010	OSAMU OZAKI
<u>Date</u>	November	1,2010	橋本裕志. HIROSHI HASHIMOTO
<u>Date</u>	November	1,2010	北条 啓文 HIROFUMI HOJO
<u>Date</u>	November	1,2010	井上浩司 KOJI NOUE
<u>Date</u>	November	1,2010	三八美一京
Date	November	1,2010	華原直 NAOYA FUJIWARA
Date		·	

PATENT REEL: 027475 FRAME: 0194

**RECORDED: 01/04/2012**