

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Jae-Won Lim</td> <td>06/14/2012</td> </tr> <tr> <td>Jung-Min Oh</td> <td>06/14/2012</td> </tr> <tr> <td>Back-Kyu Lee</td> <td>06/14/2012</td> </tr> <tr> <td>Chang-Youl Suh</td> <td>06/14/2012</td> </tr> <tr> <td>Sung-Wook Cho</td> <td>06/14/2012</td> </tr> </tbody> </table>		Name	Execution Date	Jae-Won Lim	06/14/2012	Jung-Min Oh	06/14/2012	Back-Kyu Lee	06/14/2012	Chang-Youl Suh	06/14/2012	Sung-Wook Cho	06/14/2012
Name	Execution Date												
Jae-Won Lim	06/14/2012												
Jung-Min Oh	06/14/2012												
Back-Kyu Lee	06/14/2012												
Chang-Youl Suh	06/14/2012												
Sung-Wook Cho	06/14/2012												
RECEIVING PARTY DATA													
Name:	Korea Institute of Geoscience and Mineral Resources												
Street Address:	124 Gwahangno												
City:	Yuseong-gu, Daejeon												
State/Country:	KOREA, REPUBLIC OF												
Postal Code:	305-350												
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>13551409</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13551409								
Property Type	Number												
Application Number:	13551409												
CORRESPONDENCE DATA													
Fax Number:	6265778800												
Phone:	626-795-9900												
Email:	pto@cph.com												
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
Correspondent Name:	CHRISTIE, PARKER & HALE, LLP												
Address Line 1:	PO BOX 29001												
Address Line 4:	GLENDALE, CALIFORNIA 91209												
ATTORNEY DOCKET NUMBER:	70049/D686/JEC/FRS												
NAME OF SUBMITTER:	Josephine E. Chang												
Total Attachments: 2 source=70049_Assignment#page1.tif source=70049_Assignment#page2.tif													

OP \$40.00 13551409

Docket No.: 70049/D686

Return to:
CHRISTIE, PARKER & HALE
Post Office Box 7068
Pasadena, CA 91109-7068

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned,

(1) LIM, Jae-Won, OH, Jung-Min, LEE, Back-Kyu, SUH, Chang-Youl and CHO, Sung-Wook

HEREBY SELL(S), ASSIGN(S) AND TRANSFER(S) TO
(2) KOREA INSTITUTE OF GEOSCIENCE AND MINERAL RESOURCES

having a place of business at
(3) 124 Gwahangno, Yuseong-gu, Daejeon 305-350, Republic of Korea

(hereinafter called "ASSIGNEE") the entire right, title and interest in and to any and all improvements which are disclosed in the application for United States Letters Patent entitled
(4) DEOXIDATION APPARATUS FOR PREPARING TITANIUM POWDER WITH LOW OXYGEN CONCENTRATION

which application executed on even date herewith or was

(a) Executed on (5a) _____;
(b) filed on (5b) July 17, 2012 ;
Application No.: 13/551,409 ;

(CHRISTIE, PARKER & HALE, LLP, P.O. Box 7068, Pasadena, CA 91109-7068) is hereby authorized to insert in (b) the specified data, when known.

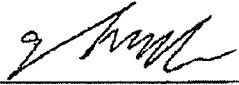
including any and all United States Patents which may be granted on said application, and any and all extensions, divisions, reissues, substitutes, renewals or continuations of said application and patents, and the right to all benefits under all international conventions for the protection of industrial property and applications for said improvements.

It is hereby authorized and requested that the Commissioner of Patents issue any and all of said Letters Patent, when granted, to said ASSIGNEE, its assigns or its successors in interest or its designee.

Upon said consideration, it is further agreed that, when requested, without charge to but at the expense of said ASSIGNEE, the undersigned will execute all divisional, continuing, substitute, renewal, and reissue patent applications; execute all rightful other papers; and generally do everything possible which said ASSIGNEE shall consider desirable for aiding in securing and maintaining patent protection as provided herein.


INVENTOR(S)	SIGNATURE	DATE
<u>LIM, Jae-Won</u>	 _____	<u>June 14, 2012</u>

Docket No.: 70049/D686

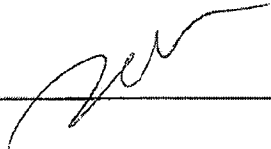
OH, Jung-Min  June 14, 2012

LEE, Back-Kyu  June 14, 2012

SUH, Chang-Youl  June 14, 2012

CHO, Sung-Wook  June 14, 2012

WITNESSES:

Ye Jin KWON  June 14, 2012