

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Dae-Sung CHEON</td> <td>09/03/2012</td> </tr> <tr> <td>Yong-Bok JUNG</td> <td>09/03/2012</td> </tr> <tr> <td>Eui-Sub PARK</td> <td>09/03/2012</td> </tr> <tr> <td>Dae-Gee HUH</td> <td>09/03/2012</td> </tr> </tbody> </table>		Name	Execution Date	Dae-Sung CHEON	09/03/2012	Yong-Bok JUNG	09/03/2012	Eui-Sub PARK	09/03/2012	Dae-Gee HUH	09/03/2012
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RECEIVING PARTY DATA											
Name:	Korea Institute of Geoscience and Mineral Resources										
Street Address:	Gajeong-dong 30										
City:	Yuseong-gu, Daejeon										
State/Country:	KOREA, REPUBLIC OF										
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>13600650</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13600650						
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Application Number:	13600650										
CORRESPONDENCE DATA											
Fax Number:	6032267499										
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NAME OF SUBMITTER:	Michael J. Bujold										
Total Attachments: 1 source=p06aus-ASSIGNMENT#page1.tif											

OP \$40.00 13600650

ASSIGNMENT OF INVENTION

JYKINT P06AUS

For: U.S. and/or Foreign Rights
For: U.S. Application or U.S. Patent
By: Inventor(s) or Present Owner

Assignment Recorded on _____
Reel: _____
Frame: _____

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR:

Dae-Sung CHEON, Yong-Bok JUNG, Eui-Sub PARK and Dae-Gee HUH

hereby sells, assigns and transfers to ASSIGNEE:

Korea Institute of Geoscience and Mineral Resources
Gajeong-dong 30
Yuseong-gu, Daejeon
KOREA

and the successors, assigns and legal representatives of the ASSIGNEE

- the entire right, title and interest in the United States of America
- an undivided _____ percent (____%) interest for the United States and its territorial possessions
- and in all foreign countries, including all rights to claim priority.

in and to any and all improvements which are disclosed in the invention entitled **DEVICE FOR PREDICTION UNDERGROUND BEHAVIOR BY USING ACOUSTIC EMISSION SENSOR AND PRODUCING METHOD THEREOF** and which is found in:

- U.S. Patent Application executed on even date herewith, or
- U.S. Application serial no. _____ filed on _____ (may be filled in when known); or
- and any legal equivalent thereof in a foreign country, including the right to claim priority;

and, in and to, all Letters Patent to be obtained for said invention by the above application/patent or any continuation(s), division(s), renewal(s), or substitute(s) thereof, and as to the Letters Patent concerning any reissue or re-examination thereof;

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been, or will be made or entered into, which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will be promptly provided, upon ASSIGNEE's request, with all pertinent facts and documents relating to said invention and said Letters Patent and any legal equivalents thereof as may be known and/or accessible to ASSIGNOR and will testify about the same in any interference, litigation or other proceeding related thereto and will promptly execute and deliver to ASSIGNEE, or its legal representatives, any and all papers, instruments and/or affidavits required to apply for, obtain, maintain, issue and/or enforce said patent application, said invention and said Letters Patent and/or any equivalents thereof which may be necessary or desirable to carry out the purposes thereof without any further consideration of any kind being required to be paid by ASSIGNEE.

IN WITNESS WHEREOF, We have hereunto set hand this

Date: Sep. 3, 2012

[Signature]
Dae-Sung CHEON

Date: Sep. 3, 2012

[Signature]
Yong-Bok JUNG

Date: Sep. 3, 2012

[Signature]
Eui-Sub PARK

Date: Sep. 3, 2012

[Signature]
Dae-Gee HUH

PATENT