

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT												
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNEE previously recorded on Reel 031214 Frame 0407. Assignor(s) hereby confirms the correct country address of the assignee is REPUBLIC OF KOREA.												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>JAE WOOK KANG</td> <td>08/28/2013</td> </tr> <tr> <td>DO-GEUN KIM</td> <td>08/28/2013</td> </tr> <tr> <td>JONG KUK KIM</td> <td>08/28/2013</td> </tr> <tr> <td>SUNG HUN JUNG</td> <td>08/28/2013</td> </tr> <tr> <td>SEUNGHUN LEE</td> <td>08/28/2013</td> </tr> </tbody> </table>		Name	Execution Date	JAE WOOK KANG	08/28/2013	DO-GEUN KIM	08/28/2013	JONG KUK KIM	08/28/2013	SUNG HUN JUNG	08/28/2013	SEUNGHUN LEE	08/28/2013
Name	Execution Date												
JAE WOOK KANG	08/28/2013												
DO-GEUN KIM	08/28/2013												
JONG KUK KIM	08/28/2013												
SUNG HUN JUNG	08/28/2013												
SEUNGHUN LEE	08/28/2013												
RECEIVING PARTY DATA													
Name:	Korea Institute of Machinery and Materials												
Street Address:	171 JANG-DONG												
Internal Address:	YUSEONG-GU												
City:	Daejeon												
State/Country:	KOREA, REPUBLIC OF												
Postal Code:	305-343												
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>14004560</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14004560								
Property Type	Number												
Application Number:	14004560												
CORRESPONDENCE DATA													
Fax Number:	6124927077												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	612-492-7000												
Email:	ip@fredlaw.com, kpietruszewski@fredlaw.com												
Correspondent Name:	Thomas R. Hipkins												
Address Line 1:	200 South Sixth Street												
Address Line 2:	Suite 4000												
Address Line 4:	Minneapolis, MINNESOTA 55402												

OP \$40.00 14004560

ATTORNEY DOCKET NUMBER:	57428.52.1
NAME OF SUBMITTER:	Thomas R. Hipkins
Signature:	/Thomas R. Hipkins/
Date:	09/26/2013
<b>Total Attachments: 5</b> source=12FPO-12-08US Notice of Recordation of Assignment 16Sep2013#page1.tif source=12FPO-12-08US Notice of Recordation of Assignment 16Sep2013#page2.tif source=12FPO-12-08US Notice of Recordation of Assignment 16Sep2013#page3.tif source=12FPO-12-08US Notice of Recordation of Assignment 16Sep2013#page4.tif source=12FPO-12-08US Notice of Recordation of Assignment 16Sep2013#page5.tif	

## 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 Wook Kang</td> <td>08/28/2013</td> </tr> <tr> <td>Do Geun Kim</td> <td>08/28/2013</td> </tr> <tr> <td>Jong Kuk Kim</td> <td>08/28/2013</td> </tr> <tr> <td>Sung Hun Jung</td> <td>08/28/2013</td> </tr> <tr> <td>Seunghun Lee</td> <td>08/28/2013</td> </tr> </tbody> </table>		Name	Execution Date	Jae Wook Kang	08/28/2013	Do Geun Kim	08/28/2013	Jong Kuk Kim	08/28/2013	Sung Hun Jung	08/28/2013	Seunghun Lee	08/28/2013
Name	Execution Date												
Jae Wook Kang	08/28/2013												
Do Geun Kim	08/28/2013												
Jong Kuk Kim	08/28/2013												
Sung Hun Jung	08/28/2013												
Seunghun Lee	08/28/2013												
RECEIVING PARTY DATA													
Name:	Korea Institute of Machinery and Materials												
Street Address:	171 Jang-dong												
Internal Address:	Yuseong-Gu												
City:	Daejeon												
State/Country:	KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF												
Postal Code:	305-343												
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>14004560</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14004560								
Property Type	Number												
Application Number:	14004560												
CORRESPONDENCE DATA													
Fax Number:	6124927077												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	612-492-7000												
Email:	ip@fredlaw.com, kpietruszewski@fredlaw.com												
Correspondent Name:	Thomas R. Hipkins												
Address Line 1:	200 South Sixth Street												
Address Line 2:	Suite 4000												
Address Line 4:	Minneapolis, MINNESOTA 55402												
ATTORNEY DOCKET NUMBER:	57428.52.1												

OP \$40.00 14004560

**ASSIGNMENT**

I/We, KANG, Jae Wook; KIM, Do-Geun; KIM, Jong Kuk; JUNG, Sung Hun; LEE, Seunghun, Korean citizens residing at

#111-405 Ilsindaedong Free Village Apt. Seongju-dong Seongsan-gu Changwon-si Gyeongsangnam-do 642-940, Republic of Korea,

#117-102 Union Village Apt. Seongju-dong Seongsan-gu Changwon-si Gyeongsangnam-do 642-939, Republic of Korea,

#109-202 Sapa Dongsung Apt. Sapa-dong Changwon-si Gyeongsangnam-do 642-775, Republic of Korea,

#1108-902 Bukhansan Hill State 1(il)-cha Apt. Bulgwang 1(il)-dong, Eunpyeong-gu Seoul 122-741, Republic of Korea,

#319 KIMS Apt. 797 Changwon-daero, Sangnam-dong Changwon-si Gyeongsangnam-do 642-831, Republic of Korea

respectively, have made an invention relating

**METHODS OF MANUFACTURING METAL WIRING BURIED FLEXIBLE SUBSTRATE BY USING PLASMA AND FLEXIBLE SUBSTRATES MANUFACTURED BY THE SAME**

and have executed an application for United States Letters Patent based thereon (and based on International Application No. PCT/KR2012/006053 filed on July 30, 2012 and identified by attorney's File No. 57428.52.1, and naming the following inventors: KANG, Jae Wook; KIM, Do-Geun; KIM, Jong Kuk; JUNG, Sung Hun; LEE, Seunghun. I/We hereby authorize attorneys associated with Customer No 22859, of Fredrikson & Byron, P.A., 200 South Sixth Street, Suite 4000, Minneapolis, Minnesota, 55402-1425, to insert the U.S. Application No. and filing date of said application when known: Application No. 14/004,560 filed on 09/11/2013.

In exchange for good and valuable consideration, the receipt of which we now acknowledge, I(we) hereby assign to **Korea Institute of Machinery and Materials**, a government agency with an address of 171 Jang-dong Yuseong-gu Daejeon 305-343, Republic of Korea, its successors and assigns ("Assignee(s)"):

- (1) The entire right, title and interest to the above-identified invention and application;
- (2) The entire right, title and interest to any United States or foreign Letters Patents which may issue with respect to the above-identified invention;
- (3) The entire right, title and interest to any renewals, reissues, extensions, substitutions, continuations, continuations-in-part, or divisions that may be filed with respect to the above-identified invention and application; and

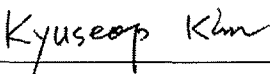


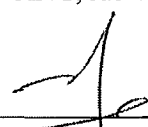
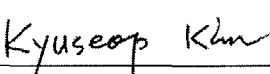

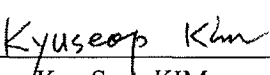

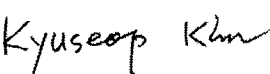
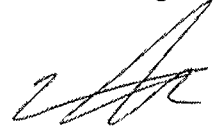
(4) The right to apply for Letters Patents in foreign countries in its own name and to claim any priority rights to which such foreign applications are entitled under international conventions, treaties or otherwise.

We further agree for ourselves and for our heirs, executors and administrators, to execute and deliver without further consideration any further applications, assignments or other documents and to perform such other lawful acts as Assignee, its successors and assigns may deem necessary to fully secure its rights, title or interest as outlined herein.

We hereby authorize and request the Commissioner of Patents and Trademarks to issue to Assignee any Letters Patents which may be granted in accordance with this Assignment.

Dated this 28th day of August, 2013

WITNESS:

 _____ Kyuseop Kim Kyu Seop KIM	 _____ KANG, Jae Wook
 _____ Kyuseop Kim Kyu Seop KIM	 _____ KIM, Do Geun
 _____ Kyuseop Kim Kyu Seop KIM	 _____ KIM, Jong Kuk
 _____ Kyuseop Kim Kyu Seop KIM	 _____ JUNG, Sung Hun
 _____ Kyuseop Kim Kyu Seop KIM	 _____ LEE, Seunghun