

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 0207. Assignor(s) hereby confirms the correct country address of the assignee is REPUBLIC OF KOREA.

CONVEYING PARTY DATA

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
MYUNGKWAN SONG	08/28/2013
DAE SUNG YOU	08/28/2013
CHANG SOO KIM	08/28/2013
KEE SEOK NAM	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

Property Type	Number
Application Number:	14004557

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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: 57428.51.1

NAME OF SUBMITTER: Thomas R. Hipkins

Signature: /Thomas R. Hipkins/

Date: 09/26/2013

Total Attachments: 6

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UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

SEPTEMBER 17, 2013

PTAS

THOMAS R. HIPKINS
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MINNEAPOLIS, MN 55402

502496946

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RECORDATION DATE: 09/16/2013

REEL/FRAME: 031214/0207
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 57428.51.1

ASSIGNOR:

KANG, JAE WOOK

DOC DATE: 08/28/2013

ASSIGNOR:

KIM, DO GEUN

DOC DATE: 08/28/2013

ASSIGNOR:

KIM, JONG KUK

DOC DATE: 08/28/2013

ASSIGNOR:

JUNG, SUNG HUN

DOC DATE: 08/28/2013

ASSIGNOR:

SONG, MYUNGKWAN

DOC DATE: 08/28/2013

ASSIGNOR:

YOU, DAE SUNG

DOC DATE: 08/28/2013

ASSIGNOR:

KIM, CHANG SOO

DOC DATE: 08/28/2013

ASSIGNOR:
NAM, KEE SEOK

DOC DATE: 08/28/2013

ASSIGNEE:
KOREA INSTITUTE OF MACHINERY AND
MATERIALS
171 JANG-DONG
YUSEONG-GU
DAEJEON, KOREA, DEMOCRATIC PEOPLE'S
REPUBLIC OF 305-343

APPLICATION NUMBER: 14004557

FILING DATE:

PATENT NUMBER:

ISSUE DATE:

TITLE: METHOD FOR MANUFACTURING A FLEXIBLE SUBSTRATE HAVING METAL
WIRING EMBEDDED THEREIN, AND FLEXIBLE SUBSTRATE MANUFACTURED BY
THE METHOD

ASSIGNMENT RECORDATION BRANCH
PUBLIC RECORDS DIVISION

PATENT ASSIGNMENT

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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
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Do Geun Kim	08/28/2013
Jong Kuk Kim	08/28/2013
Sung Hun Jung	08/28/2013
Myungkwan Song	08/28/2013
Dae Sung You	08/28/2013
Chang Soo Kim	08/28/2013
Kee Seok Nam	08/28/2013

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Postal Code:	305-343

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CORRESPONDENCE DATA

Fax Number: 6124927077

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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

OP \$40.00 14004557

ASSIGNMENT

I/We, KANG, Jae Wook; KIM, Do Geun; KIM, Jong Kuk; JUNG, Sung Hun; SONG, Myungkwan; YOU, Dae Sung; KIM, Chang Soo; NAM, Kee Seok, Korean citizens residing at

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

#117-102 Seongju 2-cha Union Village 153 Seongju-dong Seongsan-gu Changwon-si Gyeongsangnam-do 642-939, Republic of Korea,

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

#11-1501 Miseong Apt. Bulgwang 1(il)-dong Eunpyeong-gu Seoul 122-751, Republic of Korea,

#204-303 Sunkyung 2-cha Apt. Ujeong-dong Jung-gu Ulsan 681-761, Republic of Korea,

#163-6 Gyobang-dong Masanhappo-gu Changwon-si Gyeongsangnam-do 631-850, Republic of Korea,

#301 KIMS Apt. Gaeumjeong-dong Seongsan-gu Changwon-si Gyeongsangnam-do 642-110, Republic of Korea,

#211-202 Lotte Apt. Yongho-dong Changwon-si Gyeongsangnam-do 641-784, Republic of Korea

respectively, have made an invention relating

METHOD FOR MANUFACTURING A FLEXIBLE SUBSTRATE HAVING METAL WIRING EMBEDDED THEREIN, AND FLEXIBLE SUBSTRATE MANUFACTURED BY THE METHOD

and have executed an application for United States Letters Patent based thereon (and based on International Application No. PCT/KR2012/003012 filed on 19 April 2012 and identified by attorney's File No. 57428.51.1, and naming the following inventors: KANG, Jae Wook; KIM, Do Geun; KIM, Jong Kuk; JUNG, Sung Hun; SONG, Myungkwan; YOU, Dae Sung; KIM, Chang Soo; NAM, Kee Seok. 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. 14/004,557 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

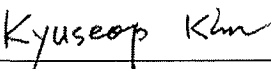
(4) The right to apply for Letters Patents in foreign countries in its own name and to claim any priority rights to which such foreign applications are entitled under international conventions, treaties or otherwise.

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.

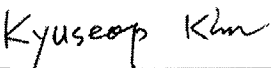
We hereby authorize and request the Commissioner of Patents and Trademarks to issue to Assignee any Letters Patents which may be granted in accordance with this Assignment.

Dated this 28th day of August, 2013

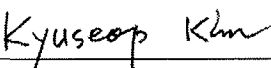
WITNESS:



Kyu Seop KIM



Kyu Seop KIM




Kyu Seop KIM



Kyu Seop KIM



Kyu Seop KIM




KANG, Jae Wook



KIM, Do Geun



KIM, Jong Kuk



JUNG, Sung Hun



SONG, Myungkwon

Kyuseop Kim

Kyu Seop KIM

Kyuseop Kim

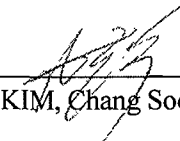
Kyu Seop KIM

Kyuseop Kim

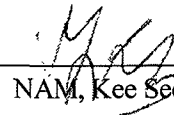
Kyu Seop KIM



YOU, Dae Sung;



KIM, Chang Soo



NAM, Kee Seok