

PATENT ASSIGNMENT

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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>Jungho Ryu</td><td>03/31/2010</td></tr><tr><td>Dong-Soo Park</td><td>03/31/2010</td></tr></tbody></table>		Name	Execution Date	Jungho Ryu	03/31/2010	Dong-Soo Park	03/31/2010
Name	Execution Date						
Jungho Ryu	03/31/2010						
Dong-Soo Park	03/31/2010						
RECEIVING PARTY DATA							
Name:	Korea Institute of Machinery and Materials						
Street Address:	171, Jang-dong						
Internal Address:	Yuseong-gu						
City:	Daejeon						
State/Country:	REPUBLIC OF KOREA						
Postal Code:	302-343						
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>12759278</td></tr></tbody></table>		Property Type	Number	Application Number:	12759278		
Property Type	Number						
Application Number:	12759278						
CORRESPONDENCE DATA							
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Total Attachments: 2 source=57428181Assignment#page1.tif							

OP \$40.00 12759278

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PATENT
REEL: 024226 FRAME: 0341

ASSIGNMENT

I/We, RYU, Jungho and PARK, Dong-Soo, Korean citizens residing at #306 KIMS Apt., Gaeumjeong-dong, Changwon-si, Gyeongsangnam-do 641-110, Republic of Korea and #12-207 Cheongsil Apt., Daechi-1dong Gangnam-gu, Seoul 135-774, Republic of Korea, respectively, have made an invention relating

HIGHLY DENSE AND NANO-GRAINED SPINEL NTC THERMISTOR THICK FILMS AND A METHOD FOR PREPARING THE SAME

and have executed an application for United States Letters Patent based thereon (and based on Korean Application No. KR10-2009-0031828 filed on April 13, 2009) and identified by attorney's File No. 57428.18.1, and naming the following inventors: RYU, Jungho and PARK, Dong-Soo, 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. 12/759,278, filed on April 13, 2010.

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, governmental agents with an address of 171, Jang-dong Yuseong-gu, Daejeon 302-343, Republic of Korea, its successors and assigns ("Assignees"):

- (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 31 day of March, 2010.

WITNESS:

Kyuseop Kim
KIM, Kyu Seop

Jungho

RYU, Jungho

WITNESS:

Kyuseop Kim
KIM, Kyu Seop

Park Dong Soo

PARK, Dong-Soo