

## 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>Hyun Jee YOO</td> <td>12/30/2010</td> </tr> <tr> <td>Dong Han KHO</td> <td>12/30/2010</td> </tr> <tr> <td>Jang Soon KIM</td> <td>12/30/2010</td> </tr> <tr> <td>Hyo Soon PARK</td> <td>12/30/2010</td> </tr> <tr> <td>Jong Wan HONG</td> <td>12/30/2010</td> </tr> <tr> <td>Hyo Sook JOO</td> <td>12/30/2010</td> </tr> </tbody> </table>		Name	Execution Date	Hyun Jee YOO	12/30/2010	Dong Han KHO	12/30/2010	Jang Soon KIM	12/30/2010	Hyo Soon PARK	12/30/2010	Jong Wan HONG	12/30/2010	Hyo Sook JOO	12/30/2010
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<table border="1"> <tr> <td>Name:</td> <td>LG Chem, Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>20, Yoido-dong, Youngdungpo-gu</td> </tr> <tr> <td>City:</td> <td>Seoul</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> <tr> <td>Postal Code:</td> <td>150-721</td> </tr> </table>		Name:	LG Chem, Ltd.	Street Address:	20, Yoido-dong, Youngdungpo-gu	City:	Seoul	State/Country:	KOREA, REPUBLIC OF	Postal Code:	150-721				
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PROPERTY NUMBERS Total: 1															
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CORRESPONDENCE DATA															
Fax Number:	2024967756														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
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Address Line 4:	Washington, DISTRICT OF COLUMBIA 20006														
ATTORNEY DOCKET NUMBER:	29137.00665.US21														

CH \$40.00 13915176

NAME OF SUBMITTER:	Mark R. Kresloff
Signature:	/Mark R. Kresloff##42,766/
Date:	06/18/2013
Total Attachments: 2 source=2913700665US21ASS#page1.tif source=2913700665US21ASS#page2.tif	

## Assignment of Application

WHEREAS, I (WE) YOO, Hyun Jee, KHO, Dong Han, KIM, Jang Soon, PARK, Hyo Soon, HONG, Jong Wan, JOO, Hyo Sook, respectively, have invented certain new and useful improvements in:

**EPOXY-BASED COMPOSITION, ADHESIVE FILM, DICING DIE-BONDING FILM AND SEMICONDUCTOR DEVICE**

- for which an application for a Letters Patent was executed on \_\_\_\_\_
- for which an application for a Letters Patent was filed on 13/915,176  
as Application No. June 11, 2013

WHEREAS, LG CHEM, LTD.,

(hereinafter referred to as "ASSIGNEE") having a place of business at:  
20, Yoido-dong, Youngdungpo-gu, Seoul, Republic of Korea 150-721,

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

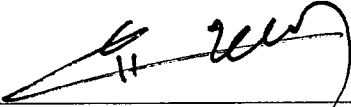
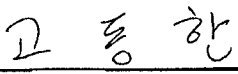
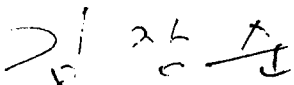
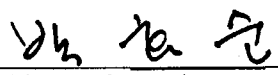

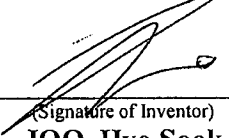
NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behalf of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of McKenna Long & Aldridge LLP, Attorneys at Law, 1900 K Street, N.W., Washington, D.C. 20006 the power to insert on this assignment any further identification, including the application number and filing

date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: <u>December 30, 2010</u>	 (Signature of Inventor) <b>YOO, Hyun Jee</b>
Date: <u>December 30, 2010</u>	 (Signature of Inventor) <b>KHO, Dong Han</b>
Date: <u>Dec. 30. 2010</u>	 (Signature of Inventor) <b>KIM, Jang Soon</b>
Date: <u>Dec. 30. 2010</u>	 (Signature of Inventor) <b>PARK, Hyo Soon</b>
Date: <u>December 30, 2010</u>	 (Signature of Inventor) <b>Hong, Jong Wan</b>
Date: <u>Dec. 30. 2010</u>	 (Signature of Inventor) <b>JOO, Hyo Sook</b>

McKenna Long & Aldridge LLP  
Attorneys At Law  
1900 K Street, N.W.  
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