

## 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>Won Kook KIM</td> <td>11/10/2005</td> </tr> <tr> <td>Sung Ho CHUN</td> <td>11/10/2005</td> </tr> <tr> <td>Kyung Lim PARK</td> <td>11/10/2005</td> </tr> <tr> <td>Belyaev SERGEY</td> <td>11/10/2005</td> </tr> <tr> <td>Malimonenko NIKOLAI</td> <td>11/10/2005</td> </tr> </tbody> </table>		Name	Execution Date	Won Kook KIM	11/10/2005	Sung Ho CHUN	11/10/2005	Kyung Lim PARK	11/10/2005	Belyaev SERGEY	11/10/2005	Malimonenko NIKOLAI	11/10/2005
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RECEIVING PARTY DATA													
Name:	LG Chem, Ltd.												
Street Address:	20 Yoido-dong, Youngdungpo-gu												
City:	Seoul												
State/Country:	KOREA, REPUBLIC OF												
Postal Code:	150-721												
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>13864992</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13864992								
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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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NAME OF SUBMITTER:	Mark R. Kresloff												

CH \$40.00 13864992

Signature:	/Mark R. Kresloff#42,766/
Date:	04/18/2013
Total Attachments: 2 source=2913700126us12ass#page1.tif source=2913700126us12ass#page2.tif	

## Assignment of Application

<b>WHEREAS, I (WE)</b>			
<b>KIM, Won Kook of 115-1203 Hwangsil Town 302 Wolpyung3-dong, Seo-gu, Daejeon-city, Rep. of Korea, CHUN, Sung He of 101-806 Hyundai Apt., Doryong-dong, Yuseong-gu, Daejeon-city, Rep. of Korea, PAIK, Kyung Lim of 9 4, 401-2 Jungchon-dong, Jung-gu, Daejeon-city, Rep. of Korea, SERGEY, Belyaev of 6-201 LG Company Housing Apt., Doryong-dong, Yuseong-gu, Daejeon-city, Rep. of Korea and NIKOLAI, Malimonenko of 6-203 LG Company Housing Apt., Doryong-dong, Yuseong-gu, Daejeon-city, Rep. of Korea</b>			
			, respectively,
have invented certain new and useful improvements in:			
<b>BIAXIAL-OPTICAL POLYNORBORNENE-BASED FILM AND METHOD OF MANUFACTURING THE SAME, INTEGRATED OPTICAL COMPENSATION POLARIZER HAVING THE FILM AND METHOD OF MANUFACTURING THE POLARIZER, AND LIQUID CRYSTAL DISPLAY PANEL CONTAINING THE FILM AND/OR POLARIZER</b>			
for which an application for Letters Patent was executed on			
(Application No.		, Filed	, and
<b>WHEREAS, LG CHEM,LTD.</b>			
(hereinafter referred to as "ASSIGNEE") having a place of business at: 20, Yoido-dong, Youngdungpo-gu, Seoul 150-721, Rep. of Korea			

is desirous of acquiring the entire right, title and interest in and to said invention and in and to said 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: 10 November 2005 KIM, Won Kook *Won Kook Kim*  
(Signature of Inventor)

Date: 10 November 2005 CHUN, Sung Ho *Sung Ho Chun*  
(Signature of Inventor)

Date: 10 November 2005 PAIK, Kyung Lim *Kyung Lim Paik*  
(Signature of Inventor)

Date: 10 November 2005 SERGEY, Belyaev *Sergey*  
(Signature of Inventor)

Date: 10 November 2005 NIKOLAI, Malimonenko *Nikolai*  
(Signature of Inventor)

McKenna Long & Aldridge LLP  
Attorneys At Law  
1900 K Street, N.W.  
Washington, D.C. 20006