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U.S. PTO
12/585247
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09-17-2009

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RECORDATION FORM COVER SHEET
PATENTS ONLY

103574226

Trademark Office: Please record the attached documents or the new address(es) below

1. Name of conveying party(ies): CHOI, Bum-Gyu KO, Min-Jin MOON Myung-Sun CHEONG, Jae-Ho KANG, Dae-Ho LEE, Ki-Youl KIM, Yun-Bong Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No		2. Name and address of receiving party(ies) Name: <u>LG CHEM, LTD.</u> Internal Address: _____ Street Address: <u>20, Yoido-dong</u> <u>Youngdungpo-gu</u> City: <u>Seoul</u> State: _____ Country: <u>Republic of Korea</u> Zip: <u>150-721</u> Additional name(s) & address(es) attached: ☐ Yes ☒ No	
3. Nature of Conveyance/Execution Date(s): ☒ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Joint Research Agreement ☐ Government Interest Agreement ☐ Other _____ Execution Date(s): <u>September 8, 2009</u>		4. Application or patent number(s): <u>12585247</u> ☒ This document is being filed together with a new application. A. Patent Application No.(s): _____ , filed B. Patent No.(s): _____ Additional numbers attached? ☐ Yes ☒ No	
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>MCKENNA LONG & ALDRIDGE LLP</u> Internal Address: <u>Atty. Dkt.: 29137.505.00</u> Street Address: <u>1900 K STREET, N.W.</u> City: <u>WASHINGTON</u> State: <u>DC</u> Zip: <u>20006</u>		6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 3.41) \$ <u>40.00</u> ☒ Enclosed ☒ Authorized to be charged to deposit account ☐ None required (government interest not affecting title) 8. Deposit account number: <u>50-0911</u>	
9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i> <u>Matthew T. Bailey, Registration No.: 33,829</u>  <u>September 9, 2009</u> Name of Person Signing, Reg. No. Signature Date Total number of pages including cover sheet, attachments, and documents: <u>3</u>			

Void date: 09/10/2009 SZEWDIE1 00000024 500911 12585247
02 FC:1011 330.00 OP
03 FC:1111 120.00 CR 420.00 OP
04 FC:1311 220.00 CR

Void date: 09/10/2009 SZEWDIE1 00000024 500911 12585247
01 FC:1001 270.00 OP

DC:50645438.1

09/10/2009 SZEWDIE1 00000025 500911 12585247
01 FC:8021 40.00 OP

PATENT
REEL: 023249 FRAME: 0895

Assignment of Application

WHEREAS, I (WE)	CHOI, Bum-Gyu; KO, Min-Jin; MOON, Myung-Sun; CHEONG, Jae-Ho; KANG, Dae-Ho; LEE, Ki-Youl; KIM, Yun-Bong
	, respectively,
have invented certain new and useful improvements in:	
NOVEL PYRAN DERIVATIVE, ITS PREPARATION METHOD, LIQUID CRYSTAL COMPOSITION AND LIQUID CRYSTAL DISPLAY DEVICE COMPRISING THE SAME	
for which an application for Letters Patent was executed on	

(Application No.		, Filed		), and
WHEREAS,	LG Chem, Ltd.			
(hereinafter referred to as "ASSIGNEE") having a place of business at: 20, Yoido-dong, Youngdungpo-gu, Seoul 150-721, Republic of Korea				

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.

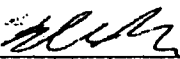
I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the 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

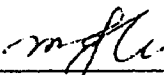
everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

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.

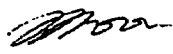
Date: Sep. 8, 2009


(Signature of Inventor)
CHOI, Bum-Gyu

Date: Sep. 8, 2009


(Signature of Inventor)
KO, Min-Jin

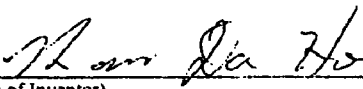
Date: Sep. 8, 2009


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MOON, Myung-Sun

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CHEONG, Jae-Ho

Date: Sep. 8, 2009


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KANG, Dae-Ho

Date: Sep. 8, 2009


(Signature of Inventor)
LEE, Ki-Youl

Date: Sep. 8, 2009


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KIM, Yun-Bong

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