## PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Won-Jae MOON	02/01/2010
Sang-Oeb NA	02/01/2010
Yang-Han KIM	02/01/2010
Hyung-Young OH	02/01/2010
Young-Sik KIM	02/01/2010
Kil-Ho KIM	02/01/2010
Heui-Joon PARK	02/01/2010
Chang-Hee LEE	02/01/2010

#### **RECEIVING PARTY DATA**

Name:	LG CHEM, LTD.
Street Address:	20, Yoido-dong, Youngdungpo-gu
City:	Seoul
State/Country:	REPUBLIC OF KOREA
Postal Code:	150-721

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	12705289

## **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER: 29137.568.00 PATENT

501092251 REEL: 023933 FRAME: 0436

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NAME OF SUBMITTER:	Matthew T. Bailey
Total Attachments: 3 source=29137_568_00_Assignment#page1.tif source=29137_568_00_Assignment#page2.tif	
source=29137_568_00_Assignment#page3.tif	

PATENT REEL: 023933 FRAME: 0437

RECORDATION FORM COVER SHEET		
PATENTS	ONLY	
To the Director or the U.S. Patent and Trademark Office: Please	record the attached documents or the new address(es) below	
1. Name of conveying party(ies):	2. Name and address of receiving party(ies)	
MOON, Won-Jae, NA, Sang-Oeb, KIM, Yang-Han, OH, Hyung-Young, KIM, Young-Sik, KIM, Kil-Ho, PARK, Heui-Joon, LEE, Chang-Hee	Name: _LG CHEM, LTD. Internal Address:	
Additional name(s) of conveying party(ies)  Additional name(s) of conveying party(ies)  Yes  X No	Street 20, Yoido-dong, Youngdungpo-gu	
3. Nature of Conveyance/Execution Date(s):  X Assignment Merger		
Security Agreement Change of Name	City: Seoul	
Joint Research Agreement	State:	
Government Interest Agreement	Country: Republic of Korea	
Other	Zip: <u>150-721</u>	
Execution Date(s): February 1, 2010	Additional name(s) & Yes X No address(es) attached:	
X This document is being filed together with a new as  A. Patent Application No.(s): , filed  Additional numbers attached	B. Patent No.(s):	
<ol><li>Name and address of party to whom correspondence concerning document should be mailed:</li></ol>	6. Total number of applications and patents involved: 1	
Name: MCKENNA LONG & ALDRIDGE LLP	7. Total fee (37 CFR 3.41) \$ 40.00	
Internal Address: Atty. Dkt.: 29137.568.00	Enclosed	
Street Address: 1900 K STREET, N.W.	Authorized to be charged to deposit account  None required (government interest not affecting title)	
	8. Deposit account number:	
City: State: Zip: WASHINGTON DC 20006	50-0911	
9. Statement and signature.		
To the best of my knowledge and belief, the foregoing info is a true copy of the original document.	rmation is true and correct and any attached copy	
Matthew T. Bailey, Registration No.: 33,829	Matthew T. Bailey/ February 12, 2010	
Name of Person Signing, Reg. No.	Signature Date	
Total number of pages including cover sheet, atta	achments, and documents: 3	

DC:50677379.1

Docket No.:	

# **Assignment of Application**

WHEREAS, I (W	OH, Hyung-Young; KI	MOON, Won-Jae; NA, Sang-Oeb; KIM, Yang-Han; OH, Hyung-Young; KIM, Young-Sik; KIM, Kil-Ho; PARK, Heui-Joon; LEE, Chang-Hee	
		, respectively,	
have invented certa	in new and useful improvements ir	n:	
APPARATUS FO	R MANUFACTURING FLOAT	GLASS	
for which an applic	ation for Letters Patent was execut	ted on	
(Application No.	, File	led ), and	
WHEREAS,	LG CHEM, LTD.		
! `	d to as "ASSIGNEE") having a pla oungdungpo-gu, Seoul 150-721 R		

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:	2010, 7-1	(Signature of Inventor)
Date:	2010,2-1	(Signature of Inventor)
Date:	2010, 2-1	NA, Sang-Oeb  Yang - han Kim  (Signature of Inventor)  KIM, Yang-Han
Date:	2010, 2-1	(Signature of Inventor)  OH, Hyung-Young
Date:	7010, 7-1	(Signature of Inventor)
Date:	2010, 2-1	(Signature of Inventor)
Date:	2010, 2-1	(Signature of Inventor)
Date:	2010,2-1	PARK, Heui-Joon  Chang - Hee Lee  (Signature of Inventor)  LEE, Chang-Hee

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**RECORDED: 02/12/2010**