Form PTO-1595 (Rev. 09/ 04) OMB No. 0651-0027 (exp. 5/30/2005)	U.S. DEPARTMENT OF COMMERC United States Patent and Tradomark Offic
RECORDATION FOR	
PATENTS	SONLY
To the Director of the U.S. Patent and Trademark Office: Please	record the attached documents or the new address(es) below.
Name of conveying party(les)/Execution Date(s):	2. Name and address of receiving party(les)
HO-YEUL CHOI (06/08/2009), JI-SANG	
JEONG (06/08/2009), DAE-HO LEE	1
(06/08/2009), SANG-GIL LEE (06/08/2009),	Name: LG CHEM, LTD.
	Internal Address:
Execution Date(s): in parentheses after inventor name	Street Address:
Additional name(s) of conveying party(ies) attached? X Yes No	I G TIVING TO VITTO
3. Nature of Conveyance:	LG TWIN TOWERS 20, YEOUIDO-DONG
X Assignment Merger	YEONGDEUNGPO-GU
Security Agreement Change of Name	City: SEOUL
Government Interest Assignment	Stale:
Executive Order 9424, Confirmatory License	Country: Republic of Korea Zip: 150-721
Other	Additional name(s) & address(es) Yes X No attached:
A Santiantian as underet usumbas(a):	This document is being filed together with a new application.
A. Application or patent number(s):     A. Patent Application No.(s)	B. Patent No.(s)
12/517,917	J. 7 3.5 135,67
Additional numbers attached	Yes X No
5. Name and address to whom correspondence	6. Total number of applications and
concerning document should be mailed:	patents involved:
Name: Kelly Y. Hwang	
LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP	7. Total fee (37 CFR 1.21(n) & 3.41) \$ 40.00
	Total lee (a) of (1.21(ii) a c.41)
Internal Address: Atty. Dkt.: LGCHEM 3.3-107	Authorized to be charged by credit card
Street Address: 600 South Avenue West	X Authorized to be charged to deposit account
	1 <del>                                     </del>
	Enclosed
	None required (government interest not affecting title)
City: Westfield	8. Payment Information
State: NJ Zlp: 07090	a. Credit Card Last 4 Numbers
Phone Number: (908) 518-6320	Expiration Date
Fax Number: (908) 654-0415 Email Address: khwang@ldlkm.com	b. Deposit Account Number 12-1095 Authorized User Name Kelly Y. Hwang
9. Signature:	- Tony I I I I I I I I I I I I I I I I I I I
11/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1	
	July 15, 2009 Date
Kelly Y. Hwang - 51,831	T-4-1
Name of Person Signing	sheet, attachments, and documents:

PATENT<sup>325</sup>, 1.DOC

REEL: 022963 FRAME: 0831

Form PTO-1595	RECOR	DATION FORM COVER SHEET (CONTINUED)	
Additional Conve	ying Party(ies)/Exec	cution Date(s) (1. Continued):	
Hak-lae Lee (06/08/	Hak-lae Lee (06/08/2009), and Chang-sun Han (06/08/2009)		
Additional Assign	ees (2. Continued):		<del></del>
Internal Address: Street Address:			
City:	State:	Country:	Zip:
Assignee Name: Internal Address: Street Address:			
City:	State:	Country:	Zip;
Assignee Name: Internal Address: Street Address:			
City:	Stete:	Country:	Zip:
Additional Applica	itions and/or Patent	s (4. Continued):	
Additional Patent Applicati 4A. Continued:	on Numbers	Additional Patent Numbers 4B. Continued:	
	Additional numbers	attached? Yes No	

2

Docket No.: LGCHEM 3.3-107

<del></del>	former PTO/SB/15 (8-00) Modified LDLK
ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)  LGCHEM 3.3 - 101
	LACIEM 2.2 -10)
Whereas I CHOL He would	
Whereas, I, <u>CHOI, Ho-yeul</u> 304-1204 Expo Apt., Jeonmin-dong, Yuseong-gu, Dae	of
hereafter referred to as assignor, have with others invented certain	
STYRENE-BUTADIENE LATEX BINDER FOR INK- THEREOF AND COATING LIQUID CONTAINING TH	JET PAPER, PREPARATION METHOD
X for which an application for a United States Letters Pate Application Number $-(2/5/7) > 9/7$	nt was filed on June 5, 2009
for which an application for a United States Letters Paten	t was executed by me on
s for which an International Application was filed on	December 4, 2007 as
PCT/KD2007/006220	<u> </u>
And	States.
Whereas, LG Chem, Ltd.	
a corporation of Korea, Republic of herein referred to as "assigned	ee" whose mailing address Is
20, Yoido-dong, Youngdungpo-gu, Seoul 150-721 Rep	ublic of Koroo
Is desirous of acquiring the entire right, title and Interest in the sai	
is acknowledged, and other good and valuable consideration, I assignee my entire right, title and interest for the United States invention and the aforesaid utility patent application and all or applications and patents applied for or granted therefor in the L said invention, including without limitation all applications and patente aforesaid utility application pursuant to any law or treaty, and infringement with the right to sue for and collect the same for its legal representatives, and including the right to claim such prior Trademarks is hereby authorized and requested to issue all pate said assignee herein, as assignee of the entire interest the representatives, heirs and assignee of the entire interest the representatives, heirs and assignee or its assigns, to communication, divisional, continuation, reissue and other application assignments thereof to said assignee or its assigns, to communicate the undersigned respecting said improvements, whenever legal proceedings in which any of said applications or patents may rightful oaths, and to do generally everything necessary to ald a obtain patent protection for said improvements in all countries, the and paid by said assignee.	s of America and all other countries in and to said iginal, divisional, continuation, substitute or reissue inited States of America and all other countries, for tents for said invention claiming priority or benefit of including all claims for damages by reason of past own use and the use of its successors, assigns and ity or benefit and the Commissioner of Patents and ents on said improvements or resulting therefrom to brein; and the undersigned for me and my legal without further remuneration, to execute and deliver as for Letters Patent on said improvements and all cate to said assignee or its representatives all facts are requested, to testify in any interferences or other become involved, to sign all lawful papers, make all assignee, its successors, assigns and norminees to be expenses incident to said applications to be borne
And I do hereby authorize my attorneys to insert on this deed the f when known.	iling date and application number of said application
08 JUN 09	Teller 2
Date	( CHOI, Ho-yeut
AHN, Min - gyeong	
Witness	
AHN, Min-gyeong	
Typed Name of Witness	
x *Total of 6 forms are submitted.	

	Former PTO/SB/15 (8-00) Modified LD
ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) LGCHEM 3.3 - 101
·	1 240/10
Whereas, I, JEONG, Ji-sang	
108-805 Sangnoksu Apt., Mannyeon-dong, Seo-gu, D	paejeon 302-781 Republic of Korea
hereafter referred to as assignor, have with others invented certa	
STYRENE-BUTADIENE LATEX BINDER FOR INK-JE THEREOF AND COATING LIQUID CONTAINING TH	T PAPER PREPARATION METHOD
X for which an application for a United States Letters Pate Application Number <u>/2/5/1</u> , 9//	ent was filed on <u>June 5,2009</u>
for which an application for a United States Letters Patent	t was executed by me on
for which an International Application was filed on	· · · · · · · · · · · · · · · · · · ·
And, designating the United :	States.
Whereas, LG Chem, Ltd.	
a corporation of Korea, Republic of herein referred to as "assigne	ee" whose mailing address is
20, Yoldo-dong, Youngdungpo-gu, Seoul 150-721 Repuls desirous of acquiring the entire right, title and interest in the san	UDIIC Of Korea
assignee my entire right, title and interest for the United States invention and the aforesaid utility patent application and all original polications and patents applied for or granted therefor in the Usald invention, including without limitation all applications and patiche aforesaid utility application pursuant to any law or treaty, and offringement with the right to sue for and collect the same for its degal representatives, and including the right to claim such priorilificatemarks is hereby authorized and requested to issue all pateraid assignee herein, as assignee of the entire interest the epresentatives, heirs and assigns do hereby agree and covenant all original, divisional, continuation, reissue and other application is signments thereof to said assignee or its assigns, to communicate the undersigned respecting said improvements, whenever a patents in which any of said applications or patents may ghtful oaths, and to do generally everything necessary to ald a btain patent protection for said improvements in all countries, the not paid by said assignee.	ginal, divisional, continuation, substitute or reissuinited States of America and all other countries, for tents for said invention claiming priority or benefit of Including all claims for damages by reason of passown use and the use of its successors, assigns an extension of the use of its successors, assigns an extension of the use of its successors, assigns an extension of the undersigned for me and my legal without further remuneration, to execute and delivers for Letters Patent on said improvements and a cate to said assignee or its representatives all factors requested, to testify in any interferences or other become involved, to sign all lawful papers, make a designee in the successors.
nd I do hereby authorize my attorneys to insert on this deed the fil hen known.	ling date and application number of said application
08 Tyn 09	162 46
Date	JEONG, Ji-sang
AHN, Min - gyeong Witness	o Earling
Typed Name of Witness	
x *Total of 6 forms are submitted.	

	former PTO/SB/15 (8-00) Modified LDLK8
ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)
·	LGCHEM 3.3 - 101
1	
Whereas, I, <u>LEE, Dae-ho</u>	of
101-601 Chunggunarae Apt., Jeonmin-dong Yuseong	
hereafter referred to as assignor, have with others invented certain new and useful improvements in STYRENE-BUTADIENE LATEX BINDER FOR INK-JET PAPER, PREPARATION METHOD THEREOF AND COATING LIQUID CONTAINING THE SAME	
For which an application for a United States Letters Patent was filed on	
for which an application for a United States Letters Paten	t was executed by me on
for which an International Application was filed on	<u>December 4, 2007</u> , as
PCT/KR2007/006229 , designating the United	
And	
Whereas, LG Chem, Ltd.	
a corporation of Korea, Republic of herein referred to as "assigned	e" whose mailing address is
20, Yoldo-dong, Youngdungpo-gu, Seoul 150-721 Rep	ublic of Koros
Is desirous of acquiring the entire right, title and interest in the sar	noile of Koréa
is acknowledged, and other good and valuable consideration, I assignee my entire right, title and interest for the United States Invention and the aforesaid utility patent application and all or applications and patents applied for or granted therefor in the Usaid invention, including without limitation all applications and patthe aforesaid utility application pursuant to any law or treaty, and infringement with the right to sue for and collect the same for its legal representatives, and including the right to claim such prior Trademarks is hereby authorized and requested to issue all patesaid assignee herein, as assignee of the entire Interest the representatives, helrs and assigns do hereby agree and covenant all original, divisional, continuation, relssue and other application assignments thereof to said assignee or its assigns, to communication to the undersigned respecting said improvements, wheneves each proceedings in which any of said applications or patents may lightful oaths, and to do generally everything necessary to aid a potal patent protection for said improvements in all countries, the land paid by said assignee.	s of America and all other countries in and to said ginal, divisional, continuation, substitute or release inited States of America and all other countries, for tents for said invention claiming priority or benefit of Including all claims for damages by reason of past own use and the use of its successors, assigns and thy or benefit and the Commissioner of Patients and thy or benefit and the Commissioner of Patients and the on said improvements or resulting therefrom to reln; and the undersigned for me and my legal without further remuneration, to execute and deliver as for Letters Patent on said improvements and all cate to said assignee or its representatives all facts are requested, to testify in any interferences or other become involved, to sign all lawful papers, make all assignee, its successors, assigns and norminees to a expenses incident to said applications to be borned
And I do hereby authorize my attorneys to insert on this deed the fighen known.	iling date and application number of said application
	07 em 2
Date	LEE, Dae-ho
AHN > Min - gyeong Witness	
AHN, Min-gyeong Typed Name of Witness	
x *Total of 6 forms are submitted.	

**PATENT** REEL: 022963 FRAMECOSS

assignment

	former PTO/SB/15 (8-00) Modified LDLK8
ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)  LCCHEM 3.3 - 101
	20[6,16]43,3 14
Whereas, I, LEE, Sang-gil	of
200-6202, Dept. of Plant Science, College of Agricult, University, Sillim 9-dong, Gwanak-gu, Seoul 151-921	re & Life Sciences, Seoul National Republic of Korea
hereafter referred to as assignor, have with others invented certain new and useful improvements in STYRENE-BUTADIENE LATEX BINDER FOR INK-JET PAPER, PREPARATION METHOD THEREOF AND COATING LIQUID CONTAINING THE SAME	
X for which an application for a United States Letters Pate Application Number ノンノ より ライク	
for which an application for a United States Letters Patent was executed by me on	
x for which an International Application was filed on	December 4, 2007 as
PCT/KR2007/006229 , designating the United States.	
Whereas, LG Chern, Ltd.	
a corporation of Korea, Republic of herein referred to as "assigned	ee" whose malling address Is
20, Yoido-dong, Youngdungpo-gu, Seoul 150-721 Rep Is desirous of acquiring the entire right, title and interest in the sar	ublic of Korea
NOW, THEREFORE, in consideration of the sum of one di	пе;
assignee my entire right, title and interest for the United States invention and the aforesald utility patent application and all of applications and patents applied for or granted therefor in the Usaid invention, including without limitation all applications and pathe aforesaid utility application pursuant to any law or treaty, and infringement with the right to sue for and collect the same for its regal representatives, and including the right to claim such priori trademarks is hereby authorized and requested to issue all pateraid assignee herein, as assignee of the entire interest the epresentatives, heirs and assigns do hereby agree and covenant all original, divisional, continuation, reissue and other application assignments thereof to said assignee or its assigns, to communicate the undersigned respecting said improvements, whenever a patent in the undersigned respecting said improvements, whenever a patent protection for said applications or patents may appliful oaths, and to do generally everything necessary to aid a shain patent protection for said improvements in all countries, the not paid by said assignee.	ginal, divisional, continuation, substitute or reissue inited States of America and all other countries, for tents for said Invention claiming priority or benefit of including all claims for damages by reason of past own use and the use of its successors, assigns and thy or benefit and the Commissioner of Patents and ents on said improvements or resulting the refrom to trein; and the undersigned for me and my legal without further remuneration, to execute and deliver as for Letters Patent on said improvements and all cate to said assignee or its representatives all facts or requested, to testify in any interferences or other become involved, to sign all lawful papers, make all issignee, its successors, assigns and norminees to expenses incident to said applications to be borne
08 Jun 09	er Shawe ail
Date	LEE, Sang-gil
	, _ <del>-</del> ,, <del>-</del>
AHN, Min-gyeong Witness	
AHN, Min-gyeong	
Typed Name of Witness	
x *Total of 6 forms are submitted.	

assignment

forms are submitted.

PATENT REEL: 022963 FRANECOS30



	former PTO/SB/15 (8-00) Modified LOLK
ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)
	LGCHEM 3.3-107
Whereas, I, LEE, Hak-lae  200-6225, Dept. of Plant Science, College of Agric University, Sillim 9-dong, Gwanak-gu, Seoul 151-921	Republic of Korea
hereafter referred to as assignor, have with others invented certa STYRENE-BUTADIENE LATEX BINDER FOR INK-THEREOF AND COATING LIQUID CONTAINING THE	JET PAPER PREPARATION METHOD
X for which an application for a United States Letters Pate Application Number <u>/ン/5//),ワハ</u>	int was filled on June 5, 2009
for which an application for a United States Letters Paten	<u> </u>
ightharpoonup for which an International Application was filed on	December 4, 2007 , as
PCT/KR2007/006229 , designating the United And	States.
Whereas, <u>LG Chem, Ltd.</u>	
a corporation of Korea, Republic of herein referred to as "assigned	ee" whose mailing address is
20, Yoido-dong, Youngdungpo-gu, Seoul 150-721 Rep	
Is desirous of acquiring the entire right, title and interest in the set	пе;
assignee my entire right, title and interest for the United States invention and the aforesaid utility patent application and all or applications and patents applied for or granted therefor in the Usaid invention, including without limitation all applications and patents aforesaid utility application pursuant to any law or treaty, and infringement with the right to sue for and collect the same for its egal representatives, and including the right to claim such prior frademarks is hereby authorized and requested to issue all pateraid assignee herein, as assignee of the entire interest the epresentatives, heirs and assigns do hereby agree and covenant all original, divisional, continuation, reissue and other application issignments thereof to said assignee or its assigns, to communication to the undersigned respecting said improvements, whenever a supplication or patents may application or patents may applicately and to do generally everything necessary to aid a subtain patent protection for said improvements in all countries, the and of the patent protection for said improvements in all countries, the and I do hereby authorize my attorneys to insert on this deed the other known.	iginal, divisional, continuation, substitute or reissue inited States of America and all other countries, for tents for said invention claiming priority or benefit of including all claims for damages by reason of past own use and the use of its successors, assigns and ity or benefit and the Commissioner of Patents and ents on said improvements or resulting therefrom to brein; and the undersigned for me and my legal without further remuneration, to execute and deliver as for Letters Patent on said improvements and all cate to said assignee or its representatives all facts are requested, to testify in any interferences or other a become involved, to sign all lawful papers, make all assignee, its successors, assigns and nominees to be expenses incident to said applications to be borne.
08 ju 09	of Fm
Date	LEE, Hak-lae
AHN, Min-gyeong Witness	.,
AHN, Min-gyeong	
Typed Name of Witness	

\*Total of LX

forms are submitted.

REEL: 022963 FRAMECORY

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)
	LGCHEM3.3-107
Whereas, I, <u>HAN, Chang-sun</u> _106-1101 Daerimdure Apt., Sinseong-dong, Yuseong-	of gu, Daejeon 305-720 Republic of Korea
hereafter referred to as assignor, have with others invented certain new and useful improvements in STYRENE-BUTADIENE LATEX BINDER FOR INK-JET PAPER, PREPARATION METHOD THEREOF AND COATING LIQUID CONTAINING THE SAME	
for which an application for a United States Letters Patent was filled on Application Number $\frac{\sqrt{2}/51/\sqrt{9/1}}{\sqrt{2}}$	
for which an application for a United States Letters Pater	t was executed by me on ,
x for which an International Application was filed on	December 4, 2007 , as
PCT/KR2007/006229 , designating the United And	States.
Whereas, <u>LG Chem,</u> Ltd.	
a corporation of Korea, Republic of herein referred to as "assign	ee" whose mailing address is
20, Yoido-dong, Youngdungpo-gu, Seoul 150-721 Rep	public of Korea
Is desirous of acquiring the entire right, title and interest in the sa	me;
NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and Interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covernant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any Interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses i	
And I do hereby authorize my attorneys to insert on this deed the when known.	filing date and application number of said application
S-JUN-200f Date	Char Cul Hall HAN, Chang-sun
AHN, Min-gyeong Witness	
AHN, Min-gyeong Typed Name of Witness	
x *Total of 6 forms are submitted.	<u> </u>

assignment

PATENT REEL: 022963 FRAME 20836

**RECORDED: 07/15/2009**