


Form PTO-1595 (Rev. 09/04)
OMB No. 0651-0027 (exp. 6/30/2005)

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

<p>1. Name of conveying party(ies)/Execution Date(s): HO-YEUL CHOI (06/08/2009), JI-SANG JEONG (06/08/2009), DAE-HO LEE (06/08/2009), SANG-GIL LEE (06/08/2009),</p> <p>Execution Date(s): <u>in parentheses after inventor name</u></p> <p>Additional name(s) of conveying party(ies) attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>3. Nature of Conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____</p>	<p>2. Name and address of receiving party(ies)</p> <p>Name: <u>LG CHEM, LTD.</u></p> <p>Internal Address: _____</p> <p>Street Address: _____</p> <p>LG TWIN TOWERS 20, YEOUNDO-DONG YEONGDEUNGPO-GU</p> <p>City: <u>SEOUL</u></p> <p>State: _____</p> <p>Country: <u>Republic of Korea</u> Zip: <u>150-721</u></p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>4. Application or patent number(s): <input type="checkbox"/> This document is being filed together with a new application.</p> <p>A. Patent Application No.(s) 12/517,917</p> <p>B. Patent No.(s)</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>5. Name and address to whom correspondence concerning document should be mailed:</p> <p>Name: Kelly Y. Hwang LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP</p> <p>Internal Address: Atty. Dkt.: LGCHEM 3.3-107</p> <p>Street Address: 600 South Avenue West</p> <p>City: <u>Westfield</u></p> <p>State: <u>NJ</u> Zip: <u>07090</u></p> <p>Phone Number: <u>(908) 518-6320</u></p> <p>Fax Number: <u>(908) 654-0415</u></p> <p>Email Address: <u>khwang@ldlkm.com</u></p>
<p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u></p> <p><input type="checkbox"/> Authorized to be charged by credit card</p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <p><input type="checkbox"/> Enclosed</p> <p><input type="checkbox"/> None required (government interest not affecting title)</p>	
<p>8. Payment Information</p> <p>a. Credit Card Last 4 Numbers _____ Expiration Date _____</p> <p>b. Deposit Account Number <u>12-1095</u> Authorized User Name <u>Kelly Y. Hwang</u></p>	
<p>9. Signature:</p> <p style="text-align: center;"></p> <p style="text-align: center;">Kelly Y. Hwang - 51,831</p> <p style="text-align: center;">Name of Person Signing</p> <p style="text-align: right;">Date <u>July 15, 2009</u></p> <p>Total number of pages including cover sheet, attachments, and documents: 8</p>	

CH \$40.00 121095 12517917

Form PTO-1595		RECORDATION FORM COVER SHEET (continued)	
Additional Conveying Party(ies)/Execution Date(s) (1. Continued): Hak-lae Lee (06/08/2009), and Chang-sun Han (06/08/2009)			
Additional Assignees (2. Continued):			
Assignee Name: _____ 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: _____ State: _____ Country: _____ Zip: _____			
Additional Applications and/or Patents (4. Continued):			
Additional Patent Application Numbers 4A. Continued:	Additional Patent Numbers 4B. Continued:		
Additional numbers attached?		<input type="checkbox"/> Yes	<input type="checkbox"/> No

former PTO/SB/15 (8-00) Modified LDLKM

ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

LGCHEM 3.3 -107

Whereas, I, CHOI, Ho-yeul of
304-1204 Expo Apt., Jeonmin-dong, Yuseong-gu, Daejeon 305-761 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 filed on June 5, 2009
 Application Number 12/517,917
- ☐ for which an application for a United States Letters Patent was executed by me on _____
- ☒ for which an International Application was filed on December 4, 2007, as
PCT/KR2007/006229, designating the United States.

And

Whereas, LG Chem, Ltd.

a corporation of Korea, Republic of herein referred to as "assignee" whose mailing address is

20, Yoido-dong, Youngdungpo-gu, Seoul 150-721 Republic of Korea

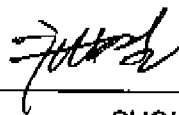
Is desirous of acquiring the entire right, title and interest in the same;

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 covenant 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 incident to said applications to be borne and paid by said assignee.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

08 JUN 09

Date



CHOI, Ho-yeul

AHN, Min-gyeong

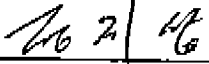
Witness

AHN, Min-gyeong

Typed Name of Witness

☒ *Total of 6 forms are submitted.



ASSIGNMENT OF UTILITY APPLICATION	<small>former PTO/SB/15 (8-00) Modified LDLKM</small> Docket Number (Optional) <u>LGCHEM 3.3-107</u>
<p>Whereas, I, <u>JEONG, Ji-sang</u> of <u>108-805 Sangnoksu Apt., Mannyeon-dong, Seo-gu, Daejeon 302-781 Republic of Korea</u></p> <p>hereafter referred to as assignor, have with others invented certain new and useful improvements in <u>STYRENE-BUTADIENE LATEX BINDER FOR INK-JET PAPER, PREPARATION METHOD THEREOF AND COATING LIQUID CONTAINING THE SAME</u></p> <p><input checked="" type="checkbox"/> for which an application for a United States Letters Patent was filed on <u>June 5, 2009</u> Application Number <u>12/517,911</u></p> <p><input type="checkbox"/> for which an application for a United States Letters Patent was executed by me on _____</p> <p><input checked="" type="checkbox"/> for which an International Application was filed on <u>December 4, 2007</u>, as <u>PCT/KR2007/006229</u>, designating the United States.</p> <p>And</p> <p>Whereas, <u>LG Chem, Ltd.</u> a corporation of <u>Korea, Republic of</u> herein referred to as "assignee" whose mailing address is <u>20, Yoido-dong, Youngdungpo-gu, Seoul 150-721 Republic of Korea</u></p> <p>is desirous of acquiring the entire right, title and interest in the same;</p> <p>NOW, THEREFORE, in consideration of the sum of <u>one</u> dollars (\$ <u>1.00</u>), 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 covenant 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 incident to said applications to be borne and paid by said assignee.</p> <p>And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.</p> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="text-align: center;"> <u>08 Jun 09</u> Date </div> <div style="text-align: center;">  JEONG, Ji-sang </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="text-align: center;"> <u>AHN, Min-gyeong</u> Witness <u>AHN, Min-gyeong</u> Typed Name of Witness </div> </div>	
<input checked="" type="checkbox"/> *Total of <u>6</u> forms are submitted.	



former PTO/SB/15 (8-00) Modified LDLKM

ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

LGCHEM 3.3-107

Whereas, I, LEE, Dae-ho of
101-601 Chunggunarae Apt., Jeonmin-dong Yuseong-gu Daejeon 305-729 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 filed on June 5, 2009
 Application Number 12/517,917
- ☐ for which an application for a United States Letters Patent was executed by me on _____
- ☒ for which an International Application was filed on December 4, 2007, as
PCT/KR2007/006229, designating the United States.

And

Whereas, LG Chem, Ltd.

a corporation of Korea, Republic of herein referred to as "assignee" whose mailing address is

20, Yoido-dong, Youngdungpo-gu, Seoul 150-721 Republic of Korea

is desirous of acquiring the entire right, title and interest in the same;

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 covenant 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 incident to said applications to be borne and paid by said assignee.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

08. Jun. 09

Date

07 Jun 09

LEE, Dae-ho

AHN, Min-gyeong

Witness

AHN, Min-gyeong

Typed Name of Witness

☒ *Total of 6 forms are submitted.



ASSIGNMENT OF UTILITY APPLICATION	<small>former PTO/SB/15 (8-00) Modified LDLKM</small> Docket Number (Optional) <u>LG-CHEM 3.3-107</u>
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Whereas, I, LEE, Sang-gil of
200-6202, Dept. of Plant Science, College of Agriculture & Life Sciences, Seoul National University, Sillim 9-dong, Gwanak-gu, Seoul 151-921 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 filed on June 5, 2009
 Application Number 12/319,917

☐ for which an application for a United States Letters Patent was executed by me on _____

☒ for which an International Application was filed on December 4, 2007, as
PCT/KR2007/006229, designating the United States.

And

Whereas, LG Chem, Ltd.
 a corporation of Korea, Republic of herein referred to as "assignee" whose mailing address is
20, Yoido-dong, Youngdungpo-gu, Seoul 150-721 Republic of Korea
 is desirous of acquiring the entire right, title and interest in the same;

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 covenant 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 incident to said applications to be borne and paid by said assignee.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

08 Jun 09
 Date

Lee Sang gil
 LEE, Sang-gil

AHN, Min-gyeong
 Witness

AHN, Min-gyeong
 Typed Name of Witness

☒ *Total of 6 forms are submitted.

assignment

 PATENT
 REEL: 022963 FRAME 0836


former PTO/SB/15 (8-00) Modified LDLK&M

ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

LGCHEM 3.3-107

Whereas, I, LEE, Hak-lae of
200-6225, Dept. of Plant Science, College of Agriculture & Life Sciences, Seoul National University, Sillim 9-dong, Gwanak-gu, Seoul 151-921 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 filed on June 5, 2009
 Application Number 12/517,917

☐ for which an application for a United States Letters Patent was executed by me on _____

☒ for which an International Application was filed on December 4, 2007, as

PCT/KR2007/006229, designating the United States.

And

Whereas, LG Chem, Ltd.

a corporation of Korea, Republic of herein referred to as "assignee" whose mailing address is

20, Yoido-dong, Youngdungpo-gu, Seoul 150-721 Republic of Korea

is desirous of acquiring the entire right, title and interest in the same;

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 covenant 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 incident to said applications to be borne and paid by said assignee.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

08 Jun 09

Date

01 JUN 09

LEE, Hak-lae

AHN, Min-gyeong

Witness

AHN, Min-gyeong

Typed Name of Witness

☒ *Total of 6 forms are submitted.

assignment

PATENT

REEL: 022963 FRAME: 0037



former PTO/SB/15 (8-00) Modified LDLKM

ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

LGCHEM.3-107

Whereas, I, HAN, Chang-sun of
106-1101 Daerimdure Apt., Sinseong-dong, Yuseong-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 filed on June 5, 2009
 Application Number 12/517,917
- ☐ for which an application for a United States Letters Patent was executed by me on _____
- ☒ for which an International Application was filed on December 4, 2007, as
PCT/KR2007/006229, designating the United States.

And

Whereas, LG Chem, Ltd.
 a corporation of Korea, Republic of herein referred to as "assignee" whose mailing address is

20, Yoido-dong, Youngdungpo-gu, Seoul 150-721 Republic of Korea

is desirous of acquiring the entire right, title and interest in the same;

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 covenant 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 incident to said applications to be borne and paid by said assignee.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

8-JUN-2009
 Date

Chang-sun Han
 HAN, Chang-sun

AHN, Min-gyeong
 Witness

AHN, Min-gyeong
 Typed Name of Witness

☒ *Total of 6 forms are submitted.

assignment

PATENT

RECORDED: 07/15/2009

REEL: 022963 FRAME 0836

