

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.

1. Name of conveying party(ies)/Execution Date(s):
YOO-YOUNG JUNG (11/12/2008), BYOUNG-HO JEON (11/12/2008), BAE-KUN SHIN (11/12/2008), KI-SOO LEE (11/12/2008),

2. Name and address of receiving party(ies)
Name: LG CHEM, LTD.
Internal Address: _____
Street Address: _____

Execution Date(s): in parentheses after inventor name
Additional name(s) of conveying party(ies) attached? Yes No

**LG TWIN TOWERS
20, YEOUIDO-DONG
YEONGDEUNGPO-GU**
City: SEOUL
State: _____
Country: Republic of Korea Zip: 150-721
Additional name(s) & address(es) attached: Yes No

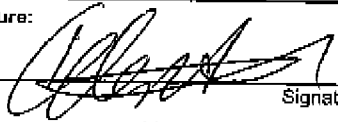
3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application or patent number(s): This document is being filed together with a new application.
A. Patent Application No.(s)
12/225,175
B. Patent No.(s)
Additional numbers attached? Yes No

6. Total number of applications and patents involved:
7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
 Authorized to be charged by credit card
 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

5. Name and address to whom correspondence concerning document should be mailed:
Name: **Kelly Y. Hwang
LERNER, DAVID, LITENBERG,
KRUMHOLZ & MENTLIK, LLP**
Internal Address: Atty. Dkt.: **LGCHEM 3.3-034**
Street Address: **600 South Avenue West**
City: Westfield
State: NJ Zip: 07090
Phone Number: (908) 518-6320
Fax Number: (908) 654-0415
Email Address: khwang@ldlkm.com

8. Payment Information
a. Credit Card Last 4 Numbers _____
Expiration Date _____
b. Deposit Account Number 12-1095
Authorized User Name Kelly Y. Hwang

9. Signature: 
Signature _____ Date May 11, 2009
Kelly Y. Hwang - 51,831
Name of Person Signing _____ Total number of pages including cover sheet, attachments, and documents:

CH \$40.00 121095 12225175

1014983_1.DOC

Form PTO-1595	RECORDATION FORM COVER SHEET (continued)
Additional Conveying Party(ies)/Execution Date(s) (1. Continued): Yong-gyu Han (11/12/2008), and Heon-Yong Kwon (11/12/2008)	
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 (6-00) Modified LDR65M

ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

LGCHEM 3.3-034

Whereas, I, Yoo-young Jung of 52 Sasa-dong, Sangnok-gu, Ansan-si, Gyeonggi-do, REPUBLIC OF KOREA 426-220

hereafter referred to as assignor, have with others invented certain new and useful improvements in

1-ALKENE-ACRYLATE BASED COPOLYMER

for which an application for a United States Letters Patent was filed on _____
Application Number _____

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

for which an International Application was filed on March 13, 2007, as

PCT/KR2007/001209, designating the United States.

And

Whereas, LG Chem, Ltd.

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

LG Twin Towers; 20, Yeouido-dong; Yeongdeungpo-gu; Seoul; REPUBLIC OF KOREA 150-721

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.

2008.11.12
Date

Yoo Young Jung
Yoo-young Jung

[Signature]
Witness

CEE. Hyun-Jung
Typed Name of Witness

*Total of 6 forms are submitted.

LD-515\

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

ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

LGCHEM 3.3-034

Whereas, I, Byoung-ho Jeon of
304-302 Songgang Green Apt.; Songgang-dong, Yuseong-gu; Daejeon; REPUBLIC OF KOREA
305-751

hereafter referred to as assignor, have with others invented certain new and useful improvements in

1-ALKENE-ACRYLATE BASED COPOLYMER

for which an application for a United States Letters Patent was filed on _____
Application Number _____

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

for which an International Application was filed on March 13, 2007, as

PCT/KR2007/001209, designating the United States.

And

Whereas, LG Chem, Ltd.

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

LG Twin Towers; 20, Yeouido-dong; Yeongdeungpo-gu; Seoul; REPUBLIC OF KOREA 150-721

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.

2008.11.12
Date

정병호
Byoung-ho Jeon

[Signature]
Witness

LEE Hyun-Jung
Typed Name of Witness

*Total of 6 forms are submitted.

LD-515



former PTO/SB/r2 (B-00) Modified LDC&M

ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

LGCHEM 3.3-034

Whereas, I, Bae-kun Shin of 102-102 Somong Cityvill; Juan 1-dong, Nam-gu; Incheon; : REPUBLIC OF KOREA 402-201

hereafter referred to as assignor, have with others invented certain new and useful improvements in 1-ALKENE-ACRYLATE BASED COPOLYMER

- for which an application for a United States Letters Patent was filed on _____
Application Number _____
- for which an application for a United States Letters Patent was executed by me on _____
- for which an International Application was filed on March 13, 2007, as
PCT/KR2007/001209, designating the United States.

And

Whereas, LG Chem, Ltd.
a corporation of Korea Republic of herein referred to as "assignee" whose mailing address is LG Twin Towers; 20, Yeouido-dong; Yeongdeungpo-gu; Seoul; REPUBLIC OF KOREA 150-721
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.

2008.11.12
Date

[Signature]
Bae-kun Shin

[Signature]
Witness

LEE, Hyun-Jang
Typed Name of Witness

*Total of 6 forms are submitted.

LD-515)

former PTO/SP/15 (6-00) Modified L01&N

ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

LGCHEM 3.3-034

Whereas, I, Ki-soo Lee of 410-802 Daedeok Technovalley 4-danji, Gwangyeong-dong, Yuseong-gu, Daejeon, REPUBLIC OF KOREA 305-509

hereafter referred to as assignor, have with others invented certain new and useful improvements in

1-ALKENE-ACRYLATE BASED COPOLYMER

for which an application for a United States Letters Patent was filed on _____ Application Number _____

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

for which an International Application was filed on March 13, 2007, as

PCT/KR2007/001209, designating the United States.

And

Whereas, LG Chem, Ltd.

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

LG Twin Towers, 20, Yeouido-dong, Yeongdeungpo-gu, Seoul, REPUBLIC OF KOREA 150-721

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.

2008.11.12
Date

[Signature]
Ki-soo Lee

[Signature]
Witness

LEE Hyun-Jung
Typed Name of Witness

*Total of 6 forms are submitted.

LD-5151

ASSIGNMENT OF UTILITY APPLICATION		Docket Number (Optional) LGCHEM 3.3-034
<p>Whereas, I, <u>Yong-gyu Han</u> of <u>304-508 Expo Apt; Jeonmin-dong, Yuseong-gu, Daejeon; REPUBLIC OF KOREA 305-761</u> hereafter referred to as assignor, have with others invented certain new and useful improvements in <u>1-ALKENE-ACRYLATE BASED COPOLYMER</u></p> <p><input type="checkbox"/> for which an application for a United States Letters Patent was filed on _____ Application Number _____</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>March 13, 2007</u>, as <u>PCT/KR2007/001209</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>LG Twin Towers; 20, Yeouido-dong; Yeongdeungpo-gu; Seoul; REPUBLIC OF KOREA 150-721</u> 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> <p style="text-align: center;"> <u>2008.11.12</u> Date <u>[Signature]</u> Yong-gyu Han <u>[Signature]</u> Witness <u>LEE, Hyun-Jung</u> Typed Name of Witness </p>		
<p><input checked="" type="checkbox"/> Total of <u>6</u> forms are submitted.</p>		

LD-515\

former PTO/SE/15 (6-00) Modified LDK&M

ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

LGCHEM 3.3-034

Whereas, I, Heon-Yong Kwon of 3-302 LG Sawon Apt. Doryong-dong, Yuseong-gu, Daejeon; REPUBLIC OF KOREA 305-340

hereafter referred to as assignor, have with others invented certain new and useful improvements in

1-ALKENE-ACRYLATE BASED COPOLYMER

for which an application for a United States Letters Patent was filed on _____
Application Number _____

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

for which an International Application was filed on March 13, 2007, as

PCT/KR2007/001209, designating the United States.

And

Whereas, LG Chem, Ltd.

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

LG Twin Towers; 20, Yeouido-dong; Yeongdeungpo-gu; Seoul; REPUBLIC OF KOREA 150-721

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.

2008.11.12

Date

Heon-Yong Kwon

Witness

LEE, Hyun-Jung

Typed Name of Witness

*Total of 6 forms are submitted.

LD-515

PATENT