

Form PTO-1595 (Rev. 09/04)
OMB No. 0651-0077 (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):
 BO HYUN KIM (01/26/2009), KWANGHO YOO (01/26/2009), HYUNWOO PARK (01/26/2009), JISANG YU (01/26/2009), AND

Execution Date(s): in parentheses after inventor name

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: LG CHEM, LTD.

Internal Address: _____

Street Address: _____

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)
12/227,570

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Kelly Y. Hwang
LERNER, DAVID, LITTENBERG,
KRUMHOLZ & MENTLIK, LLP

Internal Address: Atty. Dkt.: LGCHEM 3.3-047

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

6. Total number of applications and patents involved: 1

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)

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: 

Kelly Y. Hwang - 51,831 April 15, 2009
 Name of Person Signing Date

Total number of pages including cover sheet, attachments, and documents: 7

CH \$40.00 121095 12227570

Form PTO-1595		RECORDATION FORM COVER SHEET (continued)	
Additional Conveying Party(ies)/Execution Date(s) (1. Continued): Sung Hyun Lim (01/26/2009)			
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	

Form P11/03/15 (8-05) Modified LDLK/M

ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

LGCHEM 3,3-047

Whereas, I, Bo Hyun Kim of 303-107, Daechong Apt., Gaepo-dong, Gangnam-gu, Seoul, REPUBLIC OF KOREA 135-940

hereafter referred to as assignor, have with others invented certain new and useful improvements in SECONDARY BATTERY HAVING ELECTRODE FOR IMPROVEMENT OF STABILITY DURING OVERCHARGE

- 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 May 19, 2007, as PCT/KR2007/002446, 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.

01. 26. 2007

Date

Bo Hyun Kim

Witness

Yoon Tal Kim

Typed Name of Witness

Total of 5 forms are submitted.

LD-515V

Form PTO/SB/15 (8-00) Modified (10/02)

ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

LGCHEM 3.3-047

Whereas, I, Kwangho Yoo of
203-1504, Songgangmaeul 2-danji Apt., Songgang-dong, Yuseong-gu, Daejeon, ; REPUBLIC OF
KOREA, 305-753

hereafter referred to as assignor, have with others invented certain new and useful improvements in
**SECONDARY BATTERY HAVING ELECTRODE FOR IMPROVEMENT OF STABILITY
 DURING OVERCHARGE**

- 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 May 19, 2007, as
PCT/KR2007/002446, designating the United States.

And

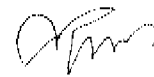
Whereas, LG Chem, Ltd.
 a corporation of Korea, Republic of herein referred to as "assignee" whose mailing address is
LG Twin Towers; 20, Yeouido-dong; Yeongdeungpo-gu; Seoul; REPUBLIC OF KOREA 150-721
 is desirous of acquiring the entire right, title and interest in the same;

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.

Jan 26th, 2009

Date



Kwangho Yoo



Witness

Yong Tae Kim

Typed Name of Witness

*Total of 5 forms are submitted.

LD-315

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

ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

LGCHEM 3.3-047

Whereas, I, Myunwoo Park of 1729, Honorsville, 1382-1, Dunsan-dong, Seo-gu, Daejeon, REPUBLIC OF KOREA 302-120

hereafter referred to as assignor, have with others invented certain new and useful improvements in SECONDARY BATTERY HAVING ELECTRODE FOR IMPROVEMENT OF STABILITY DURING OVERCHARGE

- 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 May 19, 2007, as PCT/KR2007/002446, 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.

June 26th 2009
Date

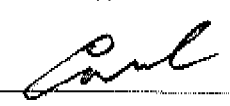

[Signature]
Hyunwoo Park

[Signature]
Witness

Young Tae Kim
Typed Name of Witness

*Total of 5 forms are submitted.

LD-315

ASSIGNMENT OF UTILITY APPLICATION		Docket Number (Optional) LGCHEM 3.3-047
<p>Whereas, I, <u>Jisang Yu</u> of <u>41, Daedeok Techno Valley 2-danji, 686; Gwanpyeong-dong, Yuseong-gu, Daejeon; REPUBLIC OF KOREA 305-509</u></p> <p>hereafter referred to as assignor, have with others invented certain new and useful improvements in <u>SECONDARY BATTERY HAVING ELECTRODE FOR IMPROVEMENT OF STABILITY DURING OVERCHARGE</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>May 19, 2007</u>, as <u>PCT/KR2007/002446</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>109. 01. 26</u> Date</p> <p style="text-align: center;"> Jisang Yu</p> <p style="text-align: center;"> Witness</p> <p style="text-align: center;"><u>Yong Tae Kim</u> Typed Name of Witness</p>		
<p><input checked="" type="checkbox"/> *Total of <u>5</u> forms are submitted.</p>		

LD-513

former P10/S175 (B-E0) Modified LDI K&M

ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

LGCHEM 3.3-047

Whereas, I, Sung Hyun Lim of 102-1401, Chungsol Apt., Songgang-dong, Yuseong-gu, Daejeon; REPUBLIC OF KOREA 305-752

hereafter referred to as assignor, have with others invented certain new and useful improvements in SECONDARY BATTERY HAVING ELECTRODE FOR IMPROVEMENT OF STABILITY DURING OVERCHARGE

- 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 May 19, 2007, as PCT/KR2007/002446, 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.

2009. 1. 26

Date

인성진

Sung Hyun Lim

[Signature]

Witness

Young Tal Choi

Typed Name of Witness

Total of 5 forms are submitted.

LD-515V

PATENT