

Form PTO-1595 (Rev. 09/04)  
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U.S. DEPARTMENT OF COMMERCE  
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### 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):**  
EUN JU KANG (08/26/2008), HYANG MOK  
LEE (08/26/2008), KICHUL HONG  
(08/26/2008), AND JUNG KYU WOO  
(08/26/2008)

Execution Date(s): in parentheses after inventor name

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

**3. Nature of Conveyance:**

- Assignment  Merger
- Security Agreement  Change of Name
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other \_\_\_\_\_

**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

**4. Application or patent number(s):**

A. Patent Application No.(s)  
12/223,688

This document is being filed together with a new application.

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 3,3-020

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@idikm.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:**



Signature

March 6, 2009

Date

Kelly Y. Hwang - 51,831  
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 5

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

# ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

LGCHEM 3.3-020

Whereas, I, Eun Ju Kang of 3-524, LG Chem 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 **LITHIUM SECONDARY BATTERY COMPRISING ELECTRODE ACTIVE MATERIAL CONTAINING SURFACTANT**

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 February 1, 2007, as PCT/KR2007/000536, 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.

Aug. October, 26, 2008  
Date

[Signature]  
Eun Ju Kang

[Signature]  
Witness  
Young Tae KIM  
Typed Name of Witness

\*Total of 4 forms are submitted.

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

<b>ASSIGNMENT OF UTILITY APPLICATION</b>	Docket Number (Optional) <b>LGCHEM 3.3-020</b>
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Whereas, I, Hyang Mok Lee of 720-4, Suyu 2-dong, Gang-gu, Seoul; : REPUBLIC OF KOREA 142-888 hereafter referred to as assignor, have with others invented certain new and useful improvements in **LITHIUM SECONDARY BATTERY COMPRISING ELECTRODE ACTIVE MATERIAL CONTAINING SURFACTANT**

- 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 February 1, 2007, as PCT/KR2007/000536, 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. 08. 26th  
Date



[Signature]  
Hyang Mok Lee

[Signature]  
Witness

YOUNG TAE, KIM  
Typed Name of Witness

\*Total of 4 forms are submitted.

LD-515A

ASSIGNMENT OF UTILITY APPLICATION	former PTO/SB/15 (8-00) Modified LDLK&M Docket Number (Optional) LGCHEM 3.3-020
Whereas, I, <u>Kichul Hong</u> of	
<u>108-701, Samsung Raemian 4-cha Apt.: Dangсандong 5-ga, Yeongdeungpo-gu; Seoul; ;</u> <u>REPUBLIC OF KOREA 150-771</u>	
hereafter referred to as assignor, have with others invented certain new and useful improvements in <u>LITHIUM SECONDARY BATTERY COMPRISING ELECTRODE ACTIVE MATERIAL</u> <u>CONTAINING SURFACTANT</u>	
<input type="checkbox"/> for which an application for a United States Letters Patent was filed on _____ Application Number _____	
<input type="checkbox"/> for which an application for a United States Letters Patent was executed by me on _____	
<input checked="" type="checkbox"/> for which an International Application was filed on <u>February 1, 2007</u> , as <u>PCT/KR2007/000536</u> , designating the United States.	
And	
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;	
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.	
And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.	
<u>2008. 08. 26</u>	
Date	Kichul Hong
	
Witness	
<u>Young Tae, KIM</u>	
Typed Name of Witness	
<input checked="" type="checkbox"/> *Total of <u>4</u> forms are submitted.	

former PTO/SB/15 (8-00) Modified LD/LK&amp;M

<b>ASSIGNMENT OF UTILITY APPLICATION</b>	Docket Number (Optional) LGCHEM 3.3-020
<p>Whereas, I, <u>Jung Kyu Woo</u> of <u>1104, Samu Apt., 595-2, Maecheon-dong, Buk-qu, Daegu; ; REPUBLIC OF KOREA 702-826</u> hereafter referred to as assignor, have with others invented certain new and useful improvements in <u>LITHIUM SECONDARY BATTERY COMPRISING ELECTRODE ACTIVE MATERIAL CONTAINING SURFACTANT</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>February 1, 2007</u>, as <u>PCT/KR2007/000536</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><u>August</u> <u>October 26, 2008</u> _____ Date</p> <p><u>[Signature]</u> _____ Witness</p> <p><u>Young Tal, KIM</u> _____ Typed Name of Witness</p>	<p><u>[Signature]</u> _____ Jung Kyu Woo</p>
<p><input checked="" type="checkbox"/> *Total of <u>4</u> forms are submitted.</p>	

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