

Form PTO-1595 (Rev. 09/04)
OMB No. 0651-0027 (exp. 5/30/2005)

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):

**SEUNG-JIN YANG (07/18/2009), JEONG HEE
CHOI (07/18/2009), HANHO LEE
(07/18/2009), AND JI HEON RYU (07/18/2009)**

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)

12/309,912

☐ 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 3.3-067**

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**

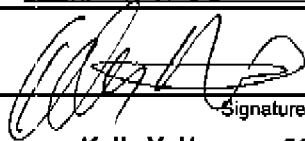
- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

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:



Signature

Kelly Y. Hwang - 51,831

Name of Person Signing

October 5, 2009

Date

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

5

CH \$40.00 121095 12309912

former PTO/SB12 (5-02) Modified LDLKM

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) LGCHEM 3.3-067
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Whereas, I, Seung-Jin Yang of 303, 64, Mennyeon-dong, Seo-gu, Daejeon; REPUBLIC OF KOREA 302-834 hereafter referred to as assignor, have with others invented certain new and useful improvements in POUCH-TYPE SECONDARY BATTERY HAVING AN NON-SEALING RESIDUE PORTION

☒ for which an application for a United States Letters Patent was filed on January 30, 2009
 Application Number 12/309,812

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

☐ for which an International Application was filed on _____, as _____, 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 01 18
 Date


 Seung-Jin Yang


 Witness

Young Tack Kim
 Typed Name of Witness

<input checked="" type="checkbox"/>	Total of <u>4</u> forms are submitted.
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LD-3131

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

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) LGCHEM 3.3-067
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Whereas, I, Jeong Hee Chol of
102-103, Daewoo Apt.: 1170-2, Daewoon 4-dong, Nam-gu, Busan; REPUBLIC OF KOREA 608-794

hereafter referred to as assignor, have with others invented certain new and useful improvements in
POUCH-TYPE SECONDARY BATTERY HAVING AN NON-SEALING RESIDUE PORTION

☒ for which an application for a United States Letters Patent was filed on January 30, 2009
Application Number 12/309,912

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

☐ for which an International Application was filed on _____, as
_____ 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.

July 18th, 2009
Date

Jeong Hee Chol
Jeong Hee Chol

[Signature]
Witness

Young-Tae KIM
Typed Name of Witness

☒ Total of 4 forms are submitted.

LD-3131

former PTO/SB/15 (5-00) Modified LDLKM

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) LGCHEM 3.3-067
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Whereas, I, Hanho Lee of
103-204, Hyundai Apt., 431-6, Dorvong-dong, Yuseong-gu, Daejeon, REPUBLIC OF KOREA 305-340

hereafter referred to as assignor, have with others invented certain new and useful improvements in
POUCH-TYPE SECONDARY BATTERY HAVING AN NON-SEALING RESIDUE PORTION

☒ for which an application for a United States Letters Patent was filed on January 30, 2009
Application Number 12/309,912

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

☐ for which an International Application was filed on _____, as
_____, 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 release 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, release 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.

10.07.10
Date

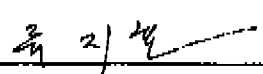


Hanho Lee


Witness

Young Tae Kim
Typed Name of Witness

☒ *Total of 4 forms are submitted.

LD-515

<small>(former PTO/SB/16 (3-00) modified LDLKM)</small> ASSIGNMENT OF UTILITY APPLICATION		Docket Number (Optional) LGCHEM 3.3-067
<p>Whereas, I, <u>Ji Heon Ryu</u> of <u>460-16, Baen 1-dong, Gangbuk-gu, Seoul, REPUBLIC OF KOREA 142-885</u> hereafter referred to as assignor, have with others invented certain new and useful improvements in POUCH-TYPE SECONDARY BATTERY HAVING AN NON-SEALING RESIDUE PORTION <input checked="" type="checkbox"/> for which an application for a United States Letters Patent was filed on <u>January 30, 2009</u> Application Number <u>12/309,912</u> <input type="checkbox"/> for which an application for a United States Letters Patent was executed by me on _____ <input type="checkbox"/> for which an International Application was filed on _____, 85 _____, 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, Yeoude-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> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="text-align: center;"> <u>2009. 7. 18</u> Date </div> <div style="text-align: center;">  Ji Heon Ryu </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="text-align: center;">  Witness <u>Young Tae Kim</u> Typed Name of Witness </div> </div>		
<input checked="" type="checkbox"/> Total of <u>4</u> forms are submitted.		

LD-515: