

Form PTO-1595 (Rev. 09/04)
OMB No. 0851-0027 (exp. 6/30/2008)

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):

WOORYONG LEE (04/13/2009), BYUNGJIN
CHOI (07/14/2009), HYANG MOK LEE
(07/19/2009), CHANG BUM AHN (07/17/2009),
AND

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, YEOUNGDO-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)

12/310,342

☐ 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 3.3-075**

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

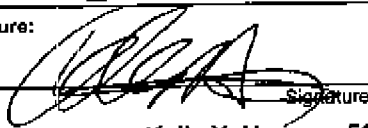
- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

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

Name of Person Signing

September 2, 2009

Date

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

7

CH \$40.00 121095 12310342

RECORDATION FORM COVER SHEET (continued)	
Form PTO-1595	
Additional Conveying Party(ies)/Execution Date(s) (1. Continued): Jun Hwan Jaug (08/28/2009)	
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 3.3-075
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Whereas, I, Wooyong Lee of
306, Yeongwoovilla, 724-13, Yangcheon-gu, Ochang-myeon, Cheongwon-gun, Chungcheongbuk-
do, REPUBLIC OF KOREA 363-883
hereafter referred to as assignor, have with others invented certain new and useful improvements in
POUCH-TYPED SECONDARY BATTERY WITH IMPROVED SAFETY AND EXCELLENT
MANUFACTURING PROCESS PROPERTY
☒ for which an application for a United States Letters Patent was filed on February 19, 2009
Application Number UNKNOWN
☐ for which an application for a United States Letters Patent was executed by me on _____
☒ for which an International Application was filed on August 20, 2007, as
PCT/KR2007/003954, 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.

April 13, 2009
Date

[Signature]
Witness

Young Tae Kim
Typed Name of Witness



☒ *Total of 5 forms are submitted.

(former PTO/SB/15 (8-03) Modified LG/Chol)	
ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) LGCHEM 3.3-075
<p>Whereas, I, <u>ByungIn Choi</u> of <u>101-504, Expp Apt., Jeongin-dong, Yuseong-gu, Daejeon, REPUBLIC OF KOREA 305-781</u> hereafter referred to as assignor, have with others invented certain new and useful improvements in <u>POUCH-TYPED SECONDARY BATTERY WITH IMPROVED SAFETY AND EXCELLENT MANUFACTURING PROCESS PROPERTY</u></p> <p><input checked="" type="checkbox"/> for which an application for a United States Letters Patent was filed on <u>February 19, 2009</u> Application Number <u>UNKNOWN</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>August 20, 2007</u>, as <u>PCT/KR2007/003954</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, Yongsong-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 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.</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;"> <p><u>Jul. 14, 2009</u> Date</p> <p><u>[Signature]</u> Witness</p> <p><u>Young Tae Kim</u> Typed Name of Witness</p> </div> <div style="text-align: center;"> <p><u>[Signature]</u> ByungIn Choi</p> </div> </div>	
<p><input checked="" type="checkbox"/> Total of <u>5</u> forms are submitted.</p>	

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

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) LGCHEM 3.3-075
<p>Whereas, I, <u>Hyang Mok Lee</u> of <u>101-202, Sejong Apt, Jeonmin-dong, Yuseong-gu, Daejeon; REPUBLIC OF KOREA 305-728</u> hereafter referred to as assignor, have with others invented certain new and useful improvements in POUCH-TYPED SECONDARY BATTERY WITH IMPROVED SAFETY AND EXCELLENT MANUFACTURING PROCESS PROPERTY</p> <p><input checked="" type="checkbox"/> for which an application for a United States Letters Patent was filed on <u>February 19, 2009</u> Application Number <u>UNKNOWN</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>August 20, 2007</u>, as <u>PCT/KR2007/003854</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 related 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>July 14, 2004</u> Date</p> <p><u>[Signature]</u> Hyang Mok Lee</p> <p><u>[Signature]</u> Witness</p> <p><u>YOUNG TAE KIM</u> Typed Name of Witness</p>	
<input checked="" type="checkbox"/> Total of <u>5</u> forms are submitted.	

former PTO/BR/15 (4-07) Modified LDLKM Docket Number (Optional) LGCHEM 3.3-075	
ASSIGNMENT OF UTILITY APPLICATION	
Whereas, I, <u>Chang bum Ahn</u> of <u>202 Jungnamsong-dong, 2622-3 Bongsamno-dong, Heundeok-gu, Cheongju-si, Chungcheongbuk-do, REPUBLIC OF KOREA, 381-300</u> hereafter referred to as assignor, have with others invented certain new and useful improvements in POUCH-TYPED SECONDARY BATTERY WITH IMPROVED SAFETY AND EXCELLENT MANUFACTURING PROCESS PROPERTY <input checked="" type="checkbox"/> for which an application for a United States Letters Patent was filed on <u>February 19, 2009</u> Application Number <u>UNKNOWN</u> <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>August 20, 2007</u> , as <u>PCT/KR2007/003654</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, 30, 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 thereafter 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>2009, 7, 17</u> Date <u>[Signature]</u> Witness <u>Young Be Kim</u> Typed Name of Witness <input checked="" type="checkbox"/> Total of <u>5</u> forms are submitted.	

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) LGCHEM 3.3-075
<p>Whereas, I, <u>Jun Hwan Jang</u> of <u>1-151, Cheokwoo Apt., Hangeonno 3-dong, Yongsan-gu, Seoul, REPUBLIC OF KOREA 140-013</u> hereafter referred to as assignor, have with others invented certain new and useful improvements in POUCH-TYPED SECONDARY BATTERY WITH IMPROVED SAFETY AND EXCELLENT MANUFACTURING PROCESS PROPERTY <input checked="" type="checkbox"/> for which an application for a United States Letters Patent was filed on <u>February 19, 2009</u> Application Number <u>UNKNOWN</u> <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>August 20, 2007</u>, as <u>PCT/KR2007/003954</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;</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 in 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 related 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 interference 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>	
<u>2009. 8. 28</u> Date	 Jun Hwan Jang
 Witness <u>Young Taek Kim</u> Typed Name of Witness	
<input checked="" type="checkbox"/> Total of 6 forms are submitted.	