

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5060456

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SUNG BIN PARK	06/12/2018
YOUNG UK PARK	06/19/2018
JI YOUNG PARK	06/19/2018
BO RAM LEE	06/18/2018
CHI HO JO	06/20/2018
YOUNG CHEOL CHOI	06/18/2018
HYUCK HUR	06/18/2018
WANG MO JUNG	06/18/2018
RECEIVING PARTY DATA	
Name:	LG CHEM, LTD.
Street Address:	128, YEOUI-DAERO
Internal Address:	YEONGDEUNGPO-GU
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	07336
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16070588
CORRESPONDENCE DATA	
Fax Number:	(908)654-7866
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	(908) 654-5000
Email:	assignment@lernerdavid.com
Correspondent Name:	LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP
Address Line 1:	600 SOUTH AVENUE WEST
Address Line 4:	WESTFIELD, NEW JERSEY 07090
ATTORNEY DOCKET NUMBER:	LGCHEM 3.3F-1458
NAME OF SUBMITTER:	MELINDA C. CORMIER

SIGNATURE:	/Melinda C. Cormier/
DATE SIGNED:	07/20/2018
Total Attachments: 12 source=Declaration and Assignment#page1.tif source=Declaration and Assignment#page2.tif source=Declaration and Assignment#page3.tif source=Declaration and Assignment#page4.tif source=Declaration and Assignment#page5.tif source=Declaration and Assignment#page6.tif source=Declaration and Assignment#page7.tif source=Declaration and Assignment#page8.tif source=Declaration and Assignment#page9.tif source=Declaration and Assignment#page10.tif source=Declaration and Assignment#page11.tif source=Declaration and Assignment#page12.tif	

**COMBINED DECLARATION (37 CFR §1.63) FOR UTILITY PATENT APPLICATION AND
ASSIGNMENT FORM¹**

The undersigned acknowledges that this document is being used both as an assignment of the invention and as the declaration (37 CFR 1.63) for a Utility or Design Application.

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

**POSITIVE ELECTRODE ACTIVE MATERIAL FOR LITHIUM SECONDARY
TITLE: BATTERY, COMPRISING LITHIUM COBALT OXIDE FOR HIGH VOLTAGE,
AND METHOD FOR PREPARING SAME**

for which Assignor is about to make or has made United States or International application for patent.

WHEREAS, as a below named inventor(s), I/(we) hereby declare that:

Section I. Declaration

This declaration is directed to:

- The attached U.S. non-provisional patent application, or
- U.S. non-provisional patent application number _____, filed on _____, or
- PCT international patent application number PCT/KR2017/007599, filed on July 14, 2017.

The above-identified application was made or authorized to be made by me (us).

I (we) believe that I am (we are) the original inventor (original joint inventors) of a claimed invention in the above-identified application.

¹ This form requires the use of an Application Data Sheet.

LG CHEM Ref No. P2016-1110PCUS (Portfolio: Cathode)

Attorney Ref No.

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I (we) hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims.

I acknowledge that I am aware of the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

Section II. Assignment

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the undersigned hereby sell(s) and assign(s) to

LG CHEM, LTD.

having an address at **128, Yeoui-daero, Yeongdeungpo-gu, Seoul 07336, Republic of Korea** (hereinafter designated as the Assignee(s)), the entire (100%) right, title and interest for the United States as defined in 35 USC §100, in the invention described in the application identified in Section I of this document.

Assignor hereby confirms any prior assignment to Assignee(s), and to the extent that Assignor has not already done so, agrees to assign, and hereby does, sell, assign and transfer unto Assignee(s) and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the aforesaid application, to the aforesaid application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the aforesaid application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee(s) to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of

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the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee(s) without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee(s), and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to Assignee(s).

The undersigned hereby grant(s) the law firm of **LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP** the power to insert on this Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

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Attorney Ref No.

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND
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Section III. Inventor(s)/Assignor(s) Signature(s)

LEGAL NAME OF FIRST INVENTOR/ASSIGNOR	Full Name
	Sung Bin PARK
SIGNATURE <u></u> DATE <u>18.6.19</u>	

LEGAL NAME OF SECOND INVENTOR/ASSIGNOR	Full Name
	Young Uk PARK
SIGNATURE <u>Park Younguk</u> DATE <u>18.6.19</u>	

LEGAL NAME OF THIRD INVENTOR/ASSIGNOR	Full Name
	Ji Young PARK
SIGNATURE <u></u> DATE <u>18.6.19</u>	

LG CHEM Ref No. P2016-1110PCUS (Portfolio: Cathode)

Attorney Ref No.

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LEGAL NAME OF FOURTH INVENTOR/ASSIGNOR	Full Name
	Bo Ram LEE
SIGNATURE <u><i>Bo Ram LEE</i></u> DATE <u>12.6.18</u>	

LEGAL NAME OF FIFTH INVENTOR/ASSIGNOR	Full Name
	Chi Ho JO
SIGNATURE _____ DATE _____	

LEGAL NAME OF SIXTH INVENTOR/ASSIGNOR	Full Name
	Young Cheol CHOI
SIGNATURE <u><i>Young Cheol CHOI</i></u> DATE <u>18.6.18</u>	

LG CHEM Ref No. P2016-1110PCUS (Portfolio: Cathode)

Attorney Ref No.

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LEGAL NAME OF SEVENTH INVENTOR/ASSIGNOR	Full Name
	Hyuck HUR
SIGNATURE <u><i>Hyuck Hur</i></u> DATE <u>18.6.18</u>	

LEGAL NAME OF EIGHTH INVENTOR/ASSIGNOR	Full Name
	Wang Mo JUNG
SIGNATURE <u><i>Wang Mo Jung</i></u> DATE <u>18.6.18</u>	

LG CHEM Ref No. P2016-1110PCUS (Portfolio: Cathode)

Attorney Ref No.

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COMBINED DECLARATION (37 CFR 51.63) FOR UTILITY PATENT APPLICATION AND
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TITLE: BATTERY, COMPRISING LITHIUM COBALT OXIDE FOR HIGH VOLTAGE,
AND METHOD FOR PREPARING SAME**

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- U.S. non-provisional patent application number _____, filed on _____, or
- PCT international patent application number PCT/KR2017/007599, filed on July 14, 2017.

The above-identified application was made or authorized to be made by me (us).

I (we) believe that I am (we are) the original inventor (original joint inventors) of a claimed invention in the above-identified application.

¹ This form requires the use of an Application Data Sheet.

I (we) hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims.

I acknowledge that I am aware of the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

Section II. Assignment

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LG CHEM, LTD.

having an address at **128, Yeoui-daero, Yeongdeungpo-gu, Seoul 07336, Republic of Korea** (hereinafter designated as the Assignee(s)), the entire (100%) right, title and interest for the United States as defined in 35 USC §100, in the invention described in the application identified in Section I of this document.

Assignor hereby confirms any prior assignment to Assignee(s), and to the extent that Assignor has not already done so, agrees to assign, and hereby does, sell, assign and transfer unto Assignee(s) and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the aforesaid application, to the aforesaid application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the aforesaid application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee(s) to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of

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Attorney Ref No.

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PATENT
REEL: 046415 FRAME: 0157

the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee(s) without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee(s), and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to Assignee(s).

The undersigned hereby grant(s) the law firm of **LENER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP** the power to insert on this Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

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PATENT
REEL: 046415 FRAME: 0158

Section III. Inventor(s)/Assignor(s) Signature(s)

LEGAL NAME OF FIRST INVENTOR/ASSIGNOR	Full Name
	Sung Bin PARK
SIGNATURE _____ DATE _____	

LEGAL NAME OF SECOND INVENTOR/ASSIGNOR	Full Name
	Young Uk PARK
SIGNATURE _____ DATE _____	

LEGAL NAME OF THIRD INVENTOR/ASSIGNOR	Full Name
	Ji Young PARK
SIGNATURE _____ DATE _____	

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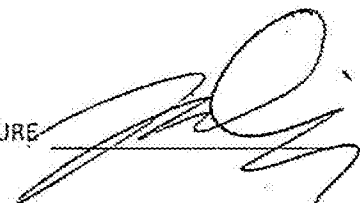
Attorney Ref No.

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PATENT
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LEGAL NAME OF FOURTH INVENTOR/ASSIGNOR	Full Name
	Bo Ram LEE
SIGNATURE _____ DATE _____	

LEGAL NAME OF FIFTH INVENTOR/ASSIGNOR	Full Name
	Chi Ho JO
SIGNATURE  DATE 6/20/2018	

LEGAL NAME OF SIXTH INVENTOR/ASSIGNOR	Full Name
	Young Cheol CHOI
SIGNATURE _____ DATE _____	

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PATENT
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LEGAL NAME OF SEVENTH INVENTOR/ASSIGNOR	Full Name Hyuck HUR
SIGNATURE _____ DATE _____	

LEGAL NAME OF EITGHTH INVENTOR/ASSIGNOR	Full Name Wang Mo JUNG
SIGNATURE _____ DATE _____	

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Attorney Ref No.

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