502561411 11/07/2013

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2607143

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JUN-SEOK CHOI	09/05/2013
TAE-HWAN ROH	10/25/2013
JIN-KYU LEE	10/25/2013
SEONG-TAE KIM	10/25/2013
TAE-HYUCK KIM	10/25/2013
JUNG-HOON YANG	10/25/2013
SEUNG-DON CHOI	10/25/2013
DAL-MO KANG	10/25/2013
DONG-YEON KIM	10/25/2013

RECEIVING PARTY DATA

Name: LG CHEM, LTD.	
Street Address:	128, YEOUI-DAERO, YOUNGDUNGPO-GU
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	150-721

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14072963	

CORRESPONDENCE DATA

Fax Number: (703)205-8050 Phone: (703) 205-8000

Email: mailroom@bskb.com, brian.olive@bskb.com

Correspondence will be sent via US Mail when the email attempt is unsuccessful.

Correspondent Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP

Address Line 1: P.O. BOX 747

Address Line 4: FALLS CHURCH, VIRGINIA 22040-0747

PATENT

REEL: 031563 FRAME: 0175

JP \$40.00 14072963

502561411

ATTORNEY DOCKET NUMBER: 3563-0263PUS1					
NAME OF SUBMITTER: BRIAN OLIVE					
Signature: /brian olive/					
Date: 11/07/2013					
Total Attachments: 6 source=2013-11-07_Dec_and_Assignment_3563-0263PUS1#page1.tif source=2013-11-07_Dec_and_Assignment_3563-0263PUS1#page2.tif source=2013-11-07_Dec_and_Assignment_3563-0263PUS1#page3.tif source=2013-11-07_Dec_and_Assignment_3563-0263PUS1#page4.tif source=2013-11-07_Dec_and_Assignment_3563-0263PUS1#page5.tif source=2013-11-07_Dec_and_Assignment_3563-0263PUS1#page6.tif					

PATENT REEL: 031563 FRAME: 0176

BIRCH, STEWART, KOLASCH & BIRCH, LLP

P.O. Box 747 • Falls Church, Virginia 22040-0747

Telephone: (703) 205-8000 • Facsimile: (703) 205-8050 • Email: mailroom@bskb.com

DECLARATION AND ASSIGNMENT FOR PATENT AND DESIGN APPLICATIONS

UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

Title of Invention

BATTERY PACK AND CONNECTING BAR APPLIED THERETO

As a below named inventor (hereinafter designated as the undersigned), I hereby declare that:

Application not Attached

This declaration is directed to the application attached hereto. If the application is not attached hereto, the application is as identified by the attorney docket number as set forth above and/or the following:

Enter Appln. No.

→ United States Application Number or PCT International Appln. No. PCT/KR2013/000024

Enter Filing Date ⇒ filed on January 3, 2013

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

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the above-identified application, including the claims.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56.

WHEREAS, the undersigned has invented certain new and useful improvements described in the application identified.

Insert Name of Assignee

➡ WHEREAS, LG CHEM, LTD.

Insert Address of Assignee

⇒ of 128, Yeoui-daero, Youngdungpo-gu, Seoul 150-721, Republic of Korea

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and

Check Box if Appropriate

in any foreign countries.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned has sold, assigned and transferred, and by these presents does (do) sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries; and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

BSKB-DECASSIGN(09-12)

The undersigned agrees to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agrees to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agrees to perform all affirmative acts which may be necessary to obtain a grant of (a) valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorizes and requests the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patent(s) resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has the full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grants the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

The undersigned hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

The undersigned hereby acknowledges 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.

In witness whereof, executed by the undersigned on the date opposite the undersigned name.

TECAT NAME OF INVENTOR

	DEGREEN	ANIE OF HAVEIATOR		11
Inventor's Name ⇔	Inventor:	CHOI, Jun-Seok	Date:	5/Sep/2013
Inventor's Signature ⇔	Signature:	m 32 M		1
		O/SB/14 or equivalent), including naming the entire inventiventor; or check the box below and complete the attached pa		
Additional in	ventors are b	eing named on the 1 supplemental sheet(s) attached hereto.		

Page 2

BSKB-DECASSIGN-SINGLE (09-12)

SUPPLEMENTAL SHEET FOR DECLARATION AND ASSIGNMENT

ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1

LEGAL NAME OF JOINT INVENTOR, IF ANY

Inventor's Name	⇒ Inventor:	ROH, Tae-Hwan	Date:
Inventor's Signature	⇔ Signature:		
	LEGAL N	AME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⇒ Inventor:	LEE, Jin-Kyu	Date:
Inventor's Signature	⇒ Signature:		r diathor
	LEGAL N	AME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⇔Inventor:	KIM, Seong-Tae	Date:
Inventor's Signature	⇔Signature;		
	LEGAL NA	AME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⇔Inventor:	KIM, Tae-Hyuck	Date:
Inventor's Signature	⇔Signature:		
	Y PPCTAT NO		
	LEGALINA	AME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⇔Inventor:	YANG, Jung-Hoon	Date:
Inventor's Signature	⇔Signature:		
	LEGAL NA	AME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⇔Inventor:	CHOI, Seung-Don	Date:
Inventor's Signature	⇒Signature:		· ·
	LEGAL NA	AME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⇔Inventor:	KANG, Dal-Mo	Date:
inventor's Signature	⇔Signature:		
	LEGAL NA	AME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⇔Inventor:	KIM, Dong-Yeon	Date:
Inventor's Signature	⇔Signature:		

Page 3

BSKB-DECASSIGN\(09-12)

BIRCH, STEWART, KOLASCH & BIRCH, LLP

P.O. Box 747 • Falls Church, Virginia 22040-0747

Telephone: (703) 205-8000 • Facsimile: (703) 205-8050 • Email: mailroom@bskb.com

DECLARATION AND ASSIGNMENT FOR PATENT AND DESIGN APPLICATIONS

UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

Tifle	ωÉ	Invention	=

BATTERY PACK AND CONNECTING BAR APPLIED THERETO

As a below named inventor (hereinafter designated as the undersigned), I hereby declare that:

Application	not
Attached	

This declaration is directed to the application attached hereto. If the application is not attached hereto, the application is as identified by the attorney docket number as set forth above and/or the following:

Enter Applin. No. 😊 United States Application Number or PCT International Applin. No. PCT/KR2013/000024

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

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the above-identified application, including the claims.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56.

WHEREAS, the undersigned has invented certain new and useful improvements described in the application identified.

Insert Name of Assignee

➡ WHEREAS, LG CHEM, LTD.

Insert Address of Assignee

of 128, Yeoui-daero, Youngdungpo-gu, Seoul 150-721, Republic of Korea

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and

Check Box if Appropriate

in any foreign countries.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned has sold, assigned and transferred, and by these presents does (do) sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries; and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agrees to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agrees to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agrees to perform all affirmative acts which may be necessary to obtain a grant of (a) valid United States of America patent(s) or a grant of (a) valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorizes and requests the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patent(s) resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has the full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grants the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

The undersigned hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

The undersigned hereby acknowledges 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.

In witness whereof, executed by the undersigned on the date opposite the undersigned name.

LEGAL NAME OF INVENTOR

Inventor's Name	⇔	Inventor:	CHOI, Jun-Seok	Date:	
Inventor's Signature	÷⇔	Signature:			
An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use a separate form for each inventor; or check the box below and complete the attached page(s) to list additional inventors.					
\square Additional inventors are being named on the 1 supplemental sheet(s) attached hereto.					

SUPPLEMENTAL SHEET FOR DECLARATION AND ASSIGNMENT

RECORDED: 11/07/2013

ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1

LEGAL NAME OF JOINT INVENTOR, IF ANY October 25, 2013 Inventor's Name ⇔ Inventor: ROH, Tae-Hwan Date: Inventor's Signature Signature: Tackwon LEGAL NAME OF JOINT INVENTOR, IF ANY October 25, 2013 Inventor's Name □ Inventor: LEE, Jin-Kyu Inventor's Signature ⇒ Signature: LEGAL NAME OF JOINT INVENTOR, IF ANY Oct 25, 2013 Inventor's Name Date: ⇒Inventor: KIM, Seong-Tae Inventor's Signature ⇔Signature: LEGAL NAME OF JOINT INVENTOR, IF ANY Oct. 25, 2013 Date: Inventor's Name ⇔Inventor: KIM, Tae-Hyunk Inventor's Signature ⇔Signature; LEGAL NAME OF JOINT INVENTOR, IF ANY Inventor's Name YANG, Jung-Hoon Date: ⇔Inventor: Inventor's Signature ⇔Signature: LEGAL NAME OF JOINT INVENTOR, IF ANY Date: Inventor's Name ⇔Inventor: CHOI, Seung-Don Inventor's Signature ⇔Signature: LEGAL NAME OF JOINT INVENTOR, IF ANY Inventor's Name ⇔Inventor: KANG, Dal-Mo Inventor's Signature ⇒Signature: LEGAL NAME OF JOINT INVENTOR, IF ANY Date: 25/Oct/20/3 Inventor's Name ⇔Inventor: KIM, Dong-Yeon Inventor's Signature ⇒Signature:

Page 3

BSKB-DECASSIGN\(09-12)



REEL: 031563 FRAME: 0182