

**PATENT ASSIGNMENT**

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Jin Kyu LEE	08/05/2010
Dal Mo KANG	08/06/2010
Yongshik SHIN	08/05/2010
Bumhyun LEE	08/05/2010
Chae Ho CHUNG	08/05/2010
Jongmoon YOON	08/06/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	LG CHEM LTD.
<b>Street Address:</b>	20, Yoido-dong, Youngdungpo-gu
<b>City:</b>	Seoul
<b>State/Country:</b>	REPUBLIC OF KOREA
<b>Postal Code:</b>	150-721
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12673471
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)205-8050
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	703-205-8000
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<b>Address Line 1:</b>	PO Box 747
<b>Address Line 4:</b>	Falls Church, VIRGINIA 22040
<b>ATTORNEY DOCKET NUMBER:</b>	5097-0161PUS1
<b>NAME OF SUBMITTER:</b>	Craig A. McRobbie

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**PATENT**  
**REEL: 026170 FRAME: 0532**

Total Attachments: 4

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**BIRCH, STEWART, KOLASCH & BIRCH, LLP**

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

**ASSIGNMENT**

Application No. 12/673,471 Filed February 20, 2010

Insert Name(s) of Inventor(s) **\*\*\*(Given Name FAMILY NAME (ALL CAPS))\*\*\***

WHEREAS, Jin Kyu LEE; Dal Mo KANG; Yongshik SHIN; Bumhyun LEE; Chae Ho CHUNG; and Jongmoon YOON (hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in:

Insert Title of Invention **MIDDLE OR LARGE-SIZED BATTERY PACK OF NOVEL AIR COOLING STRUCTURE**

for which an application for Letters Patent of the United States of America has been executed by the undersigned (except in the case of a provisional application)

Insert Date of Signing of Application on August 5, August 6, August 5, August 5, and August 6, 2010; and

Insert Name of Assignee **WHEREAS, LG CHEM, LTD.**

Insert Address of Assignee of 20, Yoido-dong, Youngdungpo-gu, Seoul, REPUBLIC OF KOREA 150-721

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, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does 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 agree(s) 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 agree (s) 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 Letter 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 agree(s) 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.

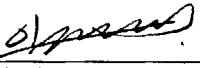
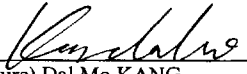
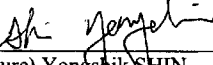
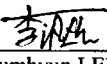
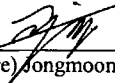
The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully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

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents 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 (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this 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.

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

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

Date <u>Aug. 05, 2010</u> ,	Name of Inventor <u></u> (signature) Jin Kyu LEE
Date <u>2010. 08. 06</u> ,	Name of Inventor <u></u> (signature) Dal Mo KANG
Date <u>August 05, 2010</u> ,	Name of Inventor <u></u> (signature) Yongsjik SHIN
Date <u>05/08/2010</u> ,	Name of Inventor <u></u> (signature) Bumhyun LEE
Date _____ ,	Name of Inventor _____ (signature) Chae Ho CHUNG
Date <u>Aug. 06, 2010</u> ,	Name of Inventor <u></u> (signature) Jongmoon YOON

**BIRCH, STEWART, KOLASCH & BIRCH, LLP**

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

**ASSIGNMENT**

Application No. 12/673,471 Filed February 12, 2010

Insert Name(s) of Inventor(s) **\*\*\*[Given Name FAMILY NAME (ALL CAPS)]\*\*\***

WHEREAS, Jin Kyu LEE; Dal Mo KANG; Yongshik SHIN; Bumhyun LEE; Chae Ho CHUNG; and Jongmoon YOON (hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in:

Insert Title of Invention **MIDDLE OR LARGE-SIZED BATTERY PACK OF NOVEL AIR COOLING STRUCTURE**

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Insert Date of Signing of Application **on August 5, 2010**; and

Insert Name of Assignee **WHEREAS, LG CHEM, LTD.**

Insert Address of Assignee **of 20, Yoido-dong, Youngdungpo-gu, Seoul, REPUBLIC OF KOREA 150-721**

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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.

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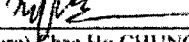
In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_  
(signature) Jin Kyu LEE

Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_  
(signature) Dal Mo KANG

Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_  
(signature) Yongshik SHIN

Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_  
(signature) Bumhyun LEE

Date 2010.8.5, Name of Inventor \_\_\_\_\_  
(signature)  \_\_\_\_\_  
(signature) Chae Ho CHUNG

Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_  
(signature) Jongmoon YOON