

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Josh Payne</td> <td>06/27/2008</td> </tr> <tr> <td>Igor Isayev</td> <td>06/27/2008</td> </tr> <tr> <td>Heekook Yang</td> <td>06/27/2008</td> </tr> <tr> <td>William Koetting</td> <td>06/27/2008</td> </tr> <tr> <td>Peter Morris</td> <td>06/27/2008</td> </tr> <tr> <td>Venkatachala Moorthi Natarajan</td> <td>06/30/2008</td> </tr> </tbody> </table>		Name	Execution Date	Josh Payne	06/27/2008	Igor Isayev	06/27/2008	Heekook Yang	06/27/2008	William Koetting	06/27/2008	Peter Morris	06/27/2008	Venkatachala Moorthi Natarajan	06/30/2008
Name	Execution Date														
Josh Payne	06/27/2008														
Igor Isayev	06/27/2008														
Heekook Yang	06/27/2008														
William Koetting	06/27/2008														
Peter Morris	06/27/2008														
Venkatachala Moorthi Natarajan	06/30/2008														
RECEIVING PARTY DATA															
Name:	LG Chem, Ltd.														
Street Address:	LG Twin Towers 20, Yeouido-Dong														
Internal Address:	Yeongdeungpo-Gu														
City:	Seoul														
State/Country:	REPUBLIC OF KOREA														
Postal Code:	150-721														
PROPERTY NUMBERS Total: 1															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12165100</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12165100										
Property Type	Number														
Application Number:	12165100														
CORRESPONDENCE DATA															
Fax Number:	(860)286-0115														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	860-286-2929														
Email:	MCANTOR@CANTORCOLBURN.COM														
Correspondent Name:	CANTOR COLBURN, LLP														
Address Line 1:	20 Church Street														
Address Line 2:	22nd Floor														
Address Line 4:	Hartford, CONNECTICUT 06103														
ATTORNEY DOCKET NUMBER:	IPD 2008-011														

CH \$40.00 12165100

PATENT

NAME OF SUBMITTER:

John F. Buckert

Total Attachments: 3

source=PHI0056_Assignment#page1.tif

source=PHI0056_Assignment#page2.tif

source=PHI0056_Assignment#page3.tif

ASSIGNMENT

WHEREAS We, **Josh Payne of 606 Golf, Royal Oak, MI 48073; Igor Isayev of 1276 Franklin Road, Berkley, MI 48072; Heekook Yang of 4616 Osaka Circle Windsor, Ontario N9G 3G4 Canada; William Koetting of 12040 Big Lake Road, Davisburg, MI 48350; Peter Morris of 45523 Irving Drive, Novi, MI 48374 and Venkatachala Moorthi Natarajan of 8186 Elisabeth Lane, Largo, FL 33777** (hereinafter referred to as "ASSIGNORS"); have invented certain new and useful improvements in:

BATTERY CELL ASSEMBLY HAVING HEAT EXCHANGER WITH SERPENTINE FLOW PATH


for which we are about to file an application for Letters Patent of the United States;

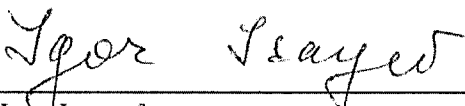
AND WHEREAS, **LG Chem, Ltd.** (hereinafter referred to as "ASSIGNEE"), a corporation organized and existing under the laws of the Country of Republic of Korea, having a place of business at **LG Twin Towers 20, Yeouido-Dong, Yeongdeungpo-Gu, Seoul, Republic of Korea 150-721**, is desirous of acquiring an interest in the United States and all foreign countries, in and to the said invention and Letters Patent to be obtained therefor;


NOW THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that, for good and valuable consideration, the receipt of which is hereby acknowledged, We, the said ASSIGNORS have assigned and transferred, and hereby assign and transfer unto the said ASSIGNEE, the entire right, title and interest in and to said invention in the United States and in all foreign countries, including priority rights, as fully set forth and described in said application; and We do hereby authorize and request the Commissioner of Patents to issue said Letters Patent on said application, and any and all Letters Patent that may be issued upon any and all revivals, refilings, continuations, continuations-in-part, divisions and reissues thereof, to the said ASSIGNEE, an assignee of the entire right, title and interest in and to the same, for the sole use and behoof of ASSIGNEE, its successors and assigns; and We do hereby agree that the said ASSIGNEE, may apply for foreign Letters Patent on said invention and that We will execute all papers necessary in connection with the United States and foreign applications when called upon

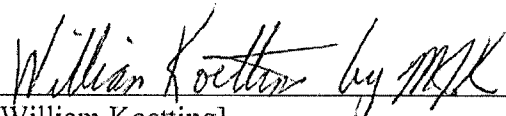
to do so by the said ASSIGNEE, its successors or assigns, and that We will, at the cost and expense of the said ASSIGNEE fully assist and cooperate in all matters in connection with the United States and foreign applications and patents issuing thereon.

The undersigned declare that all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: 6/27/08  L.S.
 [Josh Payne]

Date: 6/27/08  L.S.
 [Igor Isayev]

Date: 6/27/08  L.S.
 [Heekook Yang]

Date: 6/27/08  L.S.
 [William Koetting]

Date: 27 JUN 08  L.S.
 [Peter Morris]

Date: _____ _____ L.S.
 [Venkatachala Moorthi Natarajan]

to do so by the said ASSIGNEE, its successors or assigns, and that We will, at the cost and expense of the said ASSIGNEE fully assist and cooperate in all matters in connection with the United States and foreign applications and patents issuing thereon.

The undersigned declare that all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: _____ [Josh Payne] _____ L.S.

Date: _____ [Igor Isayev] _____ L.S.

Date: _____ [Heekook Yang] _____ L.S.

Date: _____ [William Koetting] _____ L.S.

Date: _____ [Peter Morris] _____ L.S.

Date: JUNE 30, 2008 _____ [Venkatachala Moorthi Natarajan] _____ L.S.