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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof:

<p>1. Name of conveying party(ies):</p> <p>Geun-Chang Chung Song-Hui Jun Hyeong-Jin Kim</p>	<p>2. Name and address of receiving party(ies):</p> <p>LG Chemical Ltd. LG Twin Towers, 20 Yoido-dong Yongdungpo-gu Seoul, Korea</p>
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: _____</p> <p>Execution Date(s):</p> <p>1st Inventor: January 21, 2001 2nd Inventor: January 21, 2001 3rd Inventor: January 21, 2001 4th Inventor:</p>	
<p>4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date(s) of the application is(are):</p> <p>1st (sole) Inventor: 2nd Inventor: 3rd Inventor: 4th Inventor:</p> <p>A. Patent Application No.(s): 09/582,144</p> <p>B. Patent No.(s):</p>	

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5. Name and address of party to whom correspondence concerning document should be mailed:

Michael L. Goldman
NIXON PEABODY LLP
Clinton Square
P.O. Box 31051
Rochester, New York 14603

6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 3.41): **\$40.00**

☐ Previously paid (see original transmittal)

☒ A check in the amount of **\$40.00** is enclosed.

8. Deposit Account Number: 14-1138

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☒ Charge any additional fees to account.

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Date: February 6, 2001

Edwin V. Merkel
Edwin V. Merkel
Registration No. 40,087

[Total number of pages including cover sheet, attachments and document: **4**]

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Certificate of Mailing - 37 CFR 1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, on the date below.

2/6/01

Date

Jane C. Wirszyja

Jane C. Wirszyja

ASSIGNMENT

WHEREAS, We, **Geun-Chang Chung**, a citizen of the **Republic of Korea**, residing at **LG Apt. 6-103, Doryong-dong, Youseong-ku, Taejeon-city, Korea**, **Song-Hui Jun**, a citizen of the **Republic of Korea**, residing at **LG Apt. 2-307, Doryong-dong, Youseong-ku, Taejeon-city, Korea**, and **Hyeong-Jin Kim**, a citizen of the **Republic of Korea**, residing at **LG Apt. 6-101, Doryong-dong, Youseong-ku, Taejeon-city, Korea** have invented certain new and useful improvements in **NON-AQUEOUS ELECTROLYTE FOR ELECTROCHEMICAL SYSTEMS AND LITHIUM SECONDARY BATTERY COMPRISING THE SAME** for which we have executed an application for Letters Patent in the United States, based on PCT International Application Number **PCT/KR99/00043** filed **January 29, 1999** and assigned U.S. Serial Number **09/582,144**;

AND WHEREAS, **LG Chemical Ltd.**, a corporation, with its principal place of business at **LG Twin Towers, 20 Yoido-dong, Yongdungpo-gu, Seoul, Korea**, desires to acquire the entire right, title and interest in and to the said improvements and the said Application:

NOW, THEREFORE, for good and valuable consideration, including salary or payment for the making of inventions, or employee benefits, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said **LG Chemical Ltd.**, its successors, legal representatives and assigns, the entire right, title and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said **LG Chemical Ltd.**, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said **LG Chemical Ltd.**, its successors, legal representatives and assigns, any facts known to us respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said **LG Chemical Ltd.**, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this
21st day of January, ~~2000~~ 2001

Geun-Chang Chung
Geun-Chang Chung

Witnessed: Jeong-Hwa You

Name Jeong-Hwa You
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Yoksam-dong, Kangnam-ku, Seoul, Korea
Date: January 21, 2001

Witnessed: Park Yun Ha

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Date: January 21, 2001

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this
21st day of January, ~~2000~~ 2001

Song-Hui Jun
Song-Hui Jun

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Date: January 21, 2001

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this
21st day of January, ~~2000~~ 2001

Hyeong-Jin Kim
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