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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):

Jens M. Paulsen (11/23/2004), Yonghoon Kwon
(11/23/2004), Jaep Jang (11/23/2004), and
Hong-Kyu Park (11/23/2004)Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: LG Chem, Ltd.

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LG Twin Towers
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Yeongdeungpo-gu

City: Seoul

State:

Country: Republic of Korea Zip: 150-721

Additional name(s) & address(es)
attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s): in parentheses after inventor name

- ☒
- Assignment
- ☐
- Merger
- ☐
- Change of Name
-
- ☐
- Security Agreement
- ☐
- Joint Research Agreement
-
- ☐
- Government Interest Assignment
-
- ☐
- Executive Order 9424, Confirmatory License
-
- ☐
- Other

4. Application or patent number(s):

A. Patent Application No.(s)

12/754,342

☐

This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached?

☐ Yes ☒ No5. Name and address to whom correspondence
concerning document should be mailed:Name: Kelly Y. Hwang
LERNER, DAVID, LITTENBERG,
KRUMHOLZ & MENTLIK, LLPInternal Address: Atty. Dkt.: LGCHEM 3.0-210 DIV
(LGCHEM.266)

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Fax Number: 908-654-7866

Email Address: ataylor@ldlkm.com

6. Total number of applications and
patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☒
- Authorized to be charged to deposit account
-
- ☐
- Enclosed
-
- ☐
- None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 12-1095

Authorized User Name Kelly Y. Hwang

9. Signature:


Signature

June 6, 2012

Date

Kelly Y. Hwang - 51,831

Name of Person Signing

Total number of pages including cover
sheet, attachments, and documents:

3

CH \$40.00 121095 12754342

ASSIGNMENT

WHEREAS We, Jens M. PAULSEN of 6-101, LG Chem Sawon Apt., 386-1, Doryong-dong, Yuseong-gu, Daejeon 305-340, Republic of Korea, Yonghoon KWON of 3-104, LG Chem Sawon Apt., 386-1, Doryong-dong, Yuseong-gu, Daejeon 305-340, Republic of Korea, Jaeup JANG of 3-306, LG Chem Sawon Apt., 386-1, Doryong-dong, Yuseong-gu, Daejeon 305-340, Republic of Korea and Hong-Kyu PARK of 105-605, Samsung Hanul Apt., Sinseong-dong, Yuseong-gu, Daejeon 305-707, Republic of Korea (hereinafter referred to as "ASSIGNORS") are the owner of the entire right, title and interest in the following United States Patent Application:

Serial No. 10/950,105, filed on September 24, 2004, entitled COMPOSITE PRECURSOR FOR ALUMINUM-CONTAINING LITHIUM TRANSITION METAL OXIDE AND PROCESS FOR PREPARATION OF THE SAME

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 20, Yoido-dong, Youngdungpo-gu, Seoul 150-721, Republic of Korea, 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;

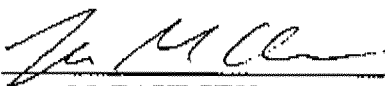
NOW THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that, for good and valuable consideration, the receipt of which is hereby acknowledged, We, the said ASSIGNORS have assigned and transferred, and hereby assign and transfer unto the said ASSIGNEE, the entire right, title and interest in and to said 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

PATENT**REEL: 028364 FRAME: 0282**

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: 11-23-2004

 L.S.
Jens M. PAULSEN

Date: 11-23-2004

Yonghoon Kwon L.S.
Yonghoon KWON

Date: 11-23-2004

Jaeup Jang L.S.
Jaeup JANG

Date: 11-23-2004

Hong Kyu Park L.S.
Hong-Kyu PARK