

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>JIHYE KIM</td> <td>03/22/2013</td> </tr> <tr> <td>JENS PAULSEN</td> <td>03/22/2013</td> </tr> </tbody> </table>		Name	Execution Date	JIHYE KIM	03/22/2013	JENS PAULSEN	03/22/2013
Name	Execution Date						
JIHYE KIM	03/22/2013						
JENS PAULSEN	03/22/2013						
RECEIVING PARTY DATA							
Name:	UMICORE						
Street Address:	RUE DU MARAIS 31						
City:	BRUSSELS						
State/Country:	BELGIUM						
Postal Code:	B-1000						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13983596</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13983596		
Property Type	Number						
Application Number:	13983596						
CORRESPONDENCE DATA							
Fax Number:	(919)998-5701						
Phone:	919-998-5700						
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<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>							
Correspondent Name:	BRINKS, GILSON & LIONE						
Address Line 1:	P.O. BOX 110285						
Address Line 4:	RESEARCH TRIANGLE PK, NORTH CAROLINA 27709						
ATTORNEY DOCKET NUMBER:	13810-101						
NAME OF SUBMITTER:	ALLYN B. ELLIOTT, REG. NO. 56,745						
Signature:	/Allyn B. Elliott/						
Date:	10/09/2013						
Total Attachments: 2 source=13810-101-assignment#page1.tif source=13810-101-assignment#page2.tif							

CH \$40.00 13983596

ASSIGNMENT

WHEREAS, I/we, Jens PAULSEN and JiHye KIM, residing at DunSanDong, MokRyeon Apt. 202-1301, Dae-jeon, Korea 302771; and Buksan Blooming 105-1302, Baeksogdong, Cheon an, Korea, respectively, have made certain new and useful inventions and improvements in:

High Nickel Cathode Material Having Low Soluble Base Content;

set forth in:

- (1) United States provisional patent application
 - (a) bearing Application No. _____, filed on _____; or
 - (b) to be filed herewith;
- (2) United States nonprovisional patent application
 - (a) filed herewith; or
 - (b) bearing Application No. 13/983,596, filed on August 5, 2013,
and
- (3) International Patent Application No. _____, designating the United States and filed on _____;

AND WHEREAS, Umicore, a corporation, having an office and place of business at Rue du Marais 31, B-1000, Brussels, Belgium (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the 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 and sufficiency whereof is hereby acknowledged, I/we have sold, assigned, set over, and transferred, and by these presents do sell, assign, set over and transfer unto said Assignee, its successors or assigns, the entire right, title and interest in and to said inventions and improvements, the right to file applications for all countries in and to all inventions and improvements disclosed in the aforesaid application, the entire right, title and interest in and to the said application, any and all other applications for Letters Patent on said inventions and improvements, including all provisional, nonprovisional, divisional, continuation, continuation-in-part, and renewal applications based in whole, or in part, upon said inventions or improvements, or upon said applications, and all Letters Patent which may be granted therefrom, and all reissues, reexaminations, or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and I/we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the



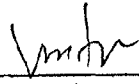
assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, I/we do hereby agree that I/we and my/our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, I/we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me/us and that full right to convey the same as herein expressed is possessed by me/us.

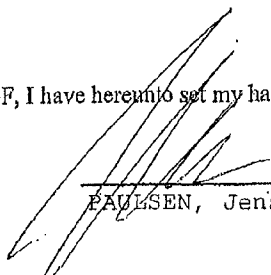
AND, I/we hereby authorize and request the attorneys of Brinks, Hofer, Gilson & Lione to insert in the spaces provided above the filing date, application number, and attorney's docket number of said application when known.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 22 day of March, 2013



KIM, JIHYE

IN TESTIMONY WHEREOF, I have hereunto set my hand this 22 day of March, 2013



PAULSEN, Jens

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____,
