

PATENT ASSIGNMENT

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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>Karel VERSCHEURE</td> <td>05/22/2012</td> </tr> <tr> <td>Mieke CAMPFORTS</td> <td>05/23/2012</td> </tr> <tr> <td>Maurits VAN CAMP</td> <td>05/23/2012</td> </tr> </tbody> </table>		Name	Execution Date	Karel VERSCHEURE	05/22/2012	Mieke CAMPFORTS	05/23/2012	Maurits VAN CAMP	05/23/2012		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>UMICORE</td> </tr> <tr> <td>Street Address:</td> <td>Rue du Marais 31</td> </tr> <tr> <td>City:</td> <td>Brussels</td> </tr> <tr> <td>State/Country:</td> <td>BELGIUM</td> </tr> <tr> <td>Postal Code:</td> <td>B-1000</td> </tr> </table>		Name:	UMICORE	Street Address:	Rue du Marais 31	City:	Brussels	State/Country:	BELGIUM	Postal Code:	B-1000
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: (919)998-5701</p> <p>Phone: 919.998.5700</p> <p>Email: lglenn@brinkshofer.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Allyn B. Rhodes</p> <p>Address Line 1: Post Office Box 110285</p> <p>Address Line 4: RTP, NORTH CAROLINA 27709</p>											
ATTORNEY DOCKET NUMBER:	13810-84										
NAME OF SUBMITTER:	Allyn B. Rhodes, Reg. No. 56,745										
<p>Total Attachments: 6</p> <p>source=Assignment#page1.tif</p>											

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ASSIGNMENT
VERSCHEURE

~~22~~ 05/22/2012

WHEREAS, I/we, Karel VERSCHURE, Mieke CAMPFORTS, and Maurits VANCAMP, residing at Oudenaardestraat 2, B-8570 Vichte, Belgium; Waversebaan 1, B-3001 Heverlee, Belgium; and Pansgatelaan 40, B-2640 Mortsel, Belgium, respectively, have made certain new and useful inventions and improvements in:

Process for the Valorization of Metals from Li-Ion Batteries

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. 13/497,276, filed on March 21, 2012, 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

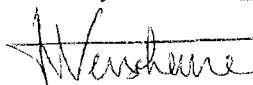
applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom, including the unrestricted right to claim priority of the U.S. application identified above in item (1); and I 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 do hereby agree that I and my 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 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 us and that full right to convey the same as herein expressed is possessed by us.

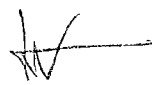
AND, I hereby authorize and request the attorneys of Brinks, Hofer, Gilson & Lione to insert in the spaces provided above the filing date, application number, and attorney's docket number of said application when known.

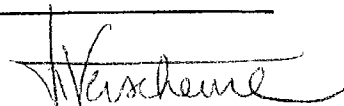
IN TESTIMONY WHEREOF, I have hereunto set my hand this 22 day of MAY 2012



Karel VERSCHURE

VERSCHEURE

05/22/2012 



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

Mieke CAMPFORTS

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

Maurits VAN CAMP

BHGL-36756-7

ASSIGNMENT

WHEREAS, I/we, Karel VERSHEURE, Mieke CAMPFORTS, and Maurits VANCAMP, residing at Oudenaardestraat 2, B-8570 Vichte, Belgium; Waversebaan 1, B-3001 Heverlee, Belgium; and Pansgatelaan 40, B-2640 Mortsel, Belgium, respectively, have made certain new and useful inventions and improvements in:

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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, including the unrestricted right to claim priority of the U.S. application identified above in item (1); and I 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.

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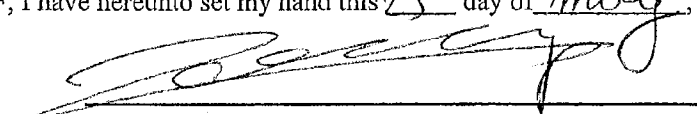
IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____,
_____.

Karel VERSHEURE

IN TESTIMONY WHEREOF, I have hereunto set my hand this 23 day of may,
2012


Mieke CAMPFORTS

IN TESTIMONY WHEREOF, I have hereunto set my hand this 23 day of may,
2012


Maurits VAN CAMP

BIIGL-36756-7