

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
STIJN PUT	06/22/2017
DIRK VAN GENECHTEN	09/06/2017
JAN GILLEIR	07/07/2017
NICOLAS MARX	09/06/2017
ARIHIRO MUTO	07/07/2017
NOBUAKI ISHII	07/07/2017
MASATAKA TAKEUCHI	07/07/2017
RECEIVING PARTY DATA	
Name:	UMICORE
Street Address:	RUE DU MARAIS 31
City:	BRUSSELS
State/Country:	BELGIUM
Postal Code:	B-1000
Name:	SHOWA DENKO K.K.
Street Address:	13-9 SHIBA DAIMON 1-CHOME
Internal Address:	MINATO-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	105-8518
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15538698
CORRESPONDENCE DATA	
Fax Number:	(919)998-5701
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	9199985700
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Correspondent Name:	BRINKS GILSON & LIONE
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PATENT	

Address Line 4: RESEARCH TRIANGLE PK, NEW YORK 27709	
ATTORNEY DOCKET NUMBER:	13810-164
NAME OF SUBMITTER:	ALLYN B ELLIOTT, REG. NO. 56745
SIGNATURE:	/Allyn B. Elliott/
DATE SIGNED:	01/25/2018
Total Attachments: 9 source=13810-164_2018-01-25_Assignment#page1.tif source=13810-164_2018-01-25_Assignment#page2.tif source=13810-164_2018-01-25_Assignment#page3.tif source=13810-164_2018-01-25_Assignment#page4.tif source=13810-164_2018-01-25_Assignment#page5.tif source=13810-164_2018-01-25_Assignment#page6.tif source=13810-164_2018-01-25_Assignment#page7.tif source=13810-164_2018-01-25_Assignment#page8.tif source=13810-164_2018-01-25_Assignment#page9.tif	

ASSIGNMENT

WHEREAS, I/we, Stijn PUT, residing at Oosthemsesteenweg 73/2, Olmen, Belgium B-2491; Dirk VAN GENECHTEN, residing at Paardendijk 30, Koersel, Belgium B-3582; Jan GILLEIR, residing at Ter Varenstraat 30, Mortsel, Belgium B-2640, Nicolas MARX, residing at Technische Schoolstraat 51, Geel, Belgium B-2440, Arihiro MUTO, residing at #401 Tsurumi-ryo, 5-17 Ichibashimocho, Tsurumi-ku, Yokohama-shi, Kanagwa, Japan 230-0024, Nobuaki ISHII, residing at 1-23-5 Fujizuka, Kouhoku-ku, Yokohama-shi, Kanagawa, Japan 222-0012, and Masataka TAKEUCHI, residing at 1-56-16 Hibarigaoka, Zama, Kanagawa, Japan 252-0003 respectively, have made certain new and useful inventions and improvements in:

Powder, Electrode and Battery Comprising Such a Powder:

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. 15/538,698, filed on June 22, 2017, and
- (3) ☐ International Patent Application No. _____, designating the United States and filed on _____;

AND WHEREAS, 1) Umicore, a corporation, having an office and place of business at Rue du Marais 31, B-1000, Brussels, Belgium; and 2) Showa Denko K.K., a corporation, having an office and place of business at 13-9 Shiba daimon 1-chome, Minato-ku, Tokyo, Japan 105-8518 (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, 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 June, 2017.


Stijn PUT

IN TESTIMONY WHEREOF, I have hereunto set my hand this 16 day of September, 2017.

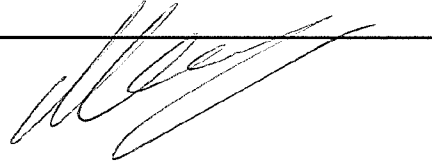

Dirk VAN GENECHTEN

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2017.

Jan GILLEIR

IN TESTIMONY WHEREOF, I have hereunto set my hand this 6th day of September, 2017.

Nicolas MARX



IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2017.

Arihiro MUTO

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2017.

Nobuaki ISHII

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2017.

Masataka TAKEUCHI

ASSIGNMENT

WHEREAS, I/we, Stijn PUT, residing at Oosthemsesteenweg 73/2, Olmen, Belgium B-2491; Dirk VAN GENECHTEN, residing at Paardendijk 30, Koersel, Belgium B-3582; Jan GILLEIR, residing at Ter Varenstraat 30, Mortsel, Belgium B-2640; Nicolas MARX, residing at Technische Schoolstraat 51, Geel, Belgium B-2440; Arihiro MUTO, residing at #401 Tsurumi-ryo, 5-17 Ichibashimocho, Tsurumi-ku, Yokohama-shi, Kanagwa, Japan 230-0024; Nobuaki ISHII, residing at 1-23-5 Fujizuka, Kouhoku-ku, Yokohama-shi, Kanagawa, Japan 222-0012, and Masataka TAKEUCHI, residing at 1-56-16 Hibarigaoka, Zama, Kanagawa, Japan 252-0003 respectively, have made certain new and useful inventions and improvements in:

Powder, Electrode and Battery Comprising Such a Powder;

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. 15/538,698, filed on June 22, 2017, and
- (3) ☐ International Patent Application No. _____, designating the United States and filed on _____;

AND WHEREAS, 1) Umicore, a corporation, having an office and place of business at Rue du Marais 31, B-1000, Brussels, Belgium; and 2) Showa Denko K.K., a corporation, having an office and place of business at 13-9 Shiba daimon 1-chome, Minato-ku, Tokyo, Japan 105-8518 (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, 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 ____ day of _____, 2017.

Stijn PUT

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2017.

Dirk VAN GENECHTEN

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2017.

Jan GILLEIR

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2017.

Nicolas MARX

IN TESTIMONY WHEREOF, I have hereunto set my hand this 7th day of July, 2017.

Arihiro Muto
Arihiro MUTO

IN TESTIMONY WHEREOF, I have hereunto set my hand this 7th day of July, 2017.

Nobuaki Ishii
Nobuaki ISHII

IN TESTIMONY WHEREOF, I have hereunto set my hand this 7th day of July, 2017.

Masataka Takeuchi
Masataka TAKEUCHI

ASSIGNMENT

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IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2017.

Stijn PUT

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2017.

Dirk VAN GENECHTEN

IN TESTIMONY WHEREOF, I have hereunto set my hand this 7 day of July, 2017.

Jan GILLEIR

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2017.

Nicolas MARX

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2017.

Arihiro MUTO

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2017.

Nobuaki ISHII

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2017.

Masataka TAKEUCHI