

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JOERG BIRKHOLZ	11/26/2019
MARCO JANSEN	11/26/2019
MARTIN WIEGMANN	11/26/2019
HENNING EISERMANN	11/29/2019
RALF JOSWIG	11/29/2019
BENJAMIN SCHWARZIEN	11/29/2019
RECEIVING PARTY DATA	
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Street Address:	AM LEINEUFER 51
City:	HANNOVER
State/Country:	GERMANY
Postal Code:	30419
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16616659
CORRESPONDENCE DATA	
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NAME OF SUBMITTER:	ALAN M. WEISBERG
SIGNATURE:	/Alan M. Weisberg/
DATE SIGNED:	12/10/2019
Total Attachments: 7	

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ASSIGNMENT

For valuable and sufficient consideration from Clarios Advanced Solutions GmbH (hereinafter referred to as "Assignee"), a German company having its principal place of business at Am Leineufer 51, Hannover 30419, GERMANY receipt of such consideration being hereby acknowledged, we,

Joerg BIRKHOLZ
Hopfenberg 12, Sarstedt / Lower Saxony 31157, GERMANY

Marco JANSEN
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Martin WIEGMANN
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Ralf JOSWIG
Ahornring 22, Buchholz, D-29690 GERMANY

Benjamin SCHWARZIEN
Pagenburgweg 7, Gehrden, 30989 GERMANY

hereby sell and assign and convey unto Assignee, its successors and assigns, our entire right, title and interest:

(1) in and to an invention entitled "CELL ASSEMBLY, CELL SUB-MODULE, ENERGY STORAGE MODULE AND METHOD FOR ASSEMBLING THE SAME" for which we have executed a PCT Patent Application and/or United States Patent Application on even date herewith or filed on 16/616,659, which received Application No(s). November 25, 2019 and, which claims the benefit of United States Provisional Application No. 62/513600 filed on June 1, 2017 entitled "POUCH CELL ARRANGEMENT AND CONTACTING IN 12V LITHIUM-ION STARTER BATTERY"; and

(2) in and to an invention entitled "POUCH CELL ARRANGEMENT AND CONTACTING IN 12V LITHIUM-ION STARTER BATTERY" for which we previously filed United States Provisional Application No. 62/513600, on June 1, 2017; and

(3) in and to said PCT Patent Application, United States Patent Application and/or United States Provisional Application(s) and in and to all other patent applications now or hereafter filed in the United States and countries foreign to the United States (including divisional, continuation, reexamination, and reissue applications, and legal equivalents thereof) based upon said invention, and in and to the patent or patents granted thereon or issued therefrom, including reissues or the like thereof, if any, to the full end of the term or terms for which said patent or patents may be granted or issued.

We authorize and request that any attorney associated with **PTO Customer No. 165345** may insert additional information identifying said PCT Patent Application, United States Patent Application and/or United States Provisional Application(s) after execution of this agreement.

We believe the named inventor(s) or joint inventor(s) to be the original inventor or original joint inventors of a claimed invention in the Application.

The Application is/was made or is/was authorized to be made by us.

We agree that any patent applications of any countries foreign to the United States which may be filed under any applicable international treaties and/or conventions based upon said invention(s) shall be filed in the name of Assignee with the right to claim priority to any earlier filed applications based upon said invention(s).

We hereby further agree that we shall, upon demand of Assignee, its successors or assigns, and without further consideration to us, execute any and all papers that may be necessary, or deemed by Assignee, its successors or assigns, to be necessary, to be a complete fulfillment of the intent and purposes of this Assignment, it being understood that any expense incident to the execution of such papers shall be paid by Assignee, its successors and assigns, and not by us.

We hereby further agree and authorize the Commissioner of Patents and Trademarks of the United States and all other appropriate government officials for applicable countries foreign to the United States to issue any and all above-identified patents to Assignee.

INVENTOR 1

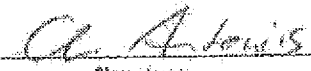
Signature: 
JOERG BIRKHOLZ

Date: 26. November 2019

Witnessed by: 
Signature

Date: 26. November 2019

Dr. Chr. Kuper
Printed Name of Witness

Witnessed by: 
Signature


Date: 26.11.2019

Dr. Chr. Antonius
Printed Name of Witness

INVENTOR 2

Signature: M. Jan
MARCO JANSEN

Date: 26. November 2019

Witnessed by: D. Chr. Kuper 
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Ch. Kuper
Printed Name of Witness

Date: 26. November 2019

Witnessed by: Ch. Antonius
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Dr. Chr. Antonius
Printed Name of Witness

Date: 26.11.2019

INVENTOR 3

Signature: *Martin Wiegmann*
MARTIN WIEGMANN

Date: Nov. 26, 2019


Witnessed by: *Dr. Chr Kuper* }
Signature
Chr Kuper
Printed Name of Witness


Date: 26. November 2019

Witnessed by: *Ch. A. Loui*
Signature
Dr. Ch. Antonius
Printed Name of Witness

Date: 26.11.2019

INVENTOR 4

Signature:  Date: 29.11.19
HENNING EISERMANN

Witnessed by:  Date: 29.11.2019
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Thomas Mathies
Printed Name of Witness

Witnessed by:  Date: 29.11.2017
Signature

Bernhard Eblich
Printed Name of Witness

INVENTOR S

Signature: Ralf Joswig Date: 29 Nov 2019
RALF JOSWIG

Witnessed by: Thomas Mathies Date: 29.11.2019
Signature

Thomas Mathies
Printed Name of Witness

Witnessed by: Cerence S Date: 25.11.2019
Signature

Ronald Elmer
Printed Name of Witness

INVENTOR 6

Signature: *Benjamin Schwarzen* Date: 29.11.2019
BENJAMIN SCHWARZEN

Witnessed by: *Benjamin Schwarzen* Date: 29.11.2019
Signature

Benjamin Schwarzen
Printed Name of Witness

Witnessed by: *Thomas Matthias* Date: 29.11.2019
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Thomas Matthias
Printed Name of Witness