505520039 06/11/2019

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
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| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| ALEVTINA SMIRNOVA | 05/22/2018 |
| MATTHEW DONDELINGER | 05/17/2018 |
| JOEL SWANSON | 05/17/2018 |

RECEIVING PARTY DATA

| Name: | SOUTH DAKOTA BOARD OF REGENTS |
|-------------------|-------------------------------|
| Street Address: | 306 EAST CAPITAL AVENUE |
| Internal Address: | SUITE 200 |
| City: | PIERRE |
| State/Country: | SOUTH DAKOTA |
| Postal Code: | 57501 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16413290 |

CORRESPONDENCE DATA

Fax Number: (855)877-7845

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.

Phone: 515-218-7888

Email: docketing@goodhue.com

Correspondent Name: GOODHUE, COLEMAN & OWENS, P.C.

Address Line 1: 12951 UNIVERSITY AVE

Address Line 2: SUITE 201

Address Line 4: CLIVE, IOWA 50325

| ATTORNEY DOCKET NUMBER: | SDSMT-P0015 |
|-------------------------|-------------------|
| NAME OF SUBMITTER: | KYLE S. COLEMAN |
| SIGNATURE: | /KYLE S. COLEMAN/ |
| DATE SIGNED: | 06/11/2019 |

Total Attachments: 3

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PATENT 505520039 REEL: 049438 FRAME: 0222

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PATENT REEL: 049438 FRAME: 0223

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made by Alevtina Smirnova; Matthew Dondelinger; and Joel Swanson (hereinafter referred to as Assignors), residing at 501 East Joseph Street, Rapid City, SD 57701; respectively.

WHEREAS, Assignors have invented certain new and useful improvements in SOLID-STATE ELECTROLYTES BASED ON LITHIUM HALIDES FOR ALL-SOLID-STATE LITHIUM-ION BATTERY OPERATING AT ELEVATED TEMPERATURES, set forth in Provisional Patent Application Serial No. 62/672,445 filed in the United States Patent and Trademark Office on May 16, 2018; and

WHEREAS, South Dakota Board of Regents, a South Dakota corporation having its principal place of business at 306 East Capital Avenue, Suite 200, Pierre, SD 57501, United States (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

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AND for the same consideration, Assignors hereby covenant and agree to and with

Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and

documents, take all lawful oaths and do all acts necessary or required to be done for the

procurement, maintenance, enforcement and defense of any Letters Patent and applications for

Letters Patent for said inventions, without charge to Assignee, its successors, legal

representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal

representatives and assigns, shall advise: that any proceeding in connection with said inventions,

or said Patent application for Letters Patent, or any proceeding in connection with any Letters

Patent or applications for Letters Patent for said inventions in any country, including but not

limited to derivation, opposition and post issuance proceedings, is lawful and desirable; or, that

any division, continuation or continuation-in-part of any application for Letters Patent, or any

reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and

desirable.

AND Assignors hereby request the said Letters Patent of the United States be issued to

Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole

use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this

Assignment any further identification which may be necessary or desirable in order to comply

with the rules of the United States of Patent and Trademark Office for recordation of this

document:

GOODHUE, COLEMAN & OWENS, P.C.

All practitioners at Customer Number 133690

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PATENT REEL: 049438 FRAME: 0225 **AND** Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

| Date:05/22/2018 | Alextina White Smithova. Signature: Mexica white Smithova (1884 72, 2012) | |
|------------------|--|--|
| | Alevtina Smirnova | |
| Date: 05/17/2018 | Signature: Matthew Dondelinger (May 17, 244.7) Matthew Dondelinger | |
| Date: 05/17/2018 | Signature: Does Leventson (Wasy 17, 2018) Joel Swanson | |

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