RECORDATION FORM COVER SHEET PATENTS ONLY

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Atty. Ref.: 4327

Please record the attached original document or copy thereof.

Name of Conveying Party(ies): (1) Denis Prodius

(2) Cajetan Ikenna Nlebedim

Name and Address of Receiving Party(ies):

Iowa State University Research Foundation, Inc. 1805 Collaboration Place, Suite 2100 Ames, Iowa 50010

Nature of Conveyance:

[X] Assignment

Execution Dates of Documents: (1) March 19, 2019

(2) November 1, 2019

If this document is being filed together with a new application, the execution date of the application is: --

Patent Application Numbers:

Patent Numbers:

62/494,101 16/350,841

Total Number of Applications and Patents Involved: 2. A credit card form is enclosed to cover the recording fee of \$100.00. The Commissioner is hereby authorized to charge any deficiency in the recording fee, or credit any overpayment of the fee, to my Deposit Account No. 20-1124.

Mail correspondence concerning

The documents to:

526 W. 14th Street

Traverse City, MI 49684

Tel: (269) 330-0328 Fax: (231) 346-5900

To the best of my knowledge and belief, the foregoing information is true and correct, and any attached copy is a true copy of the original document.

Respectfully submitted,

Edward J. Timmer, Reg. No. 27402

Total number of pages, including cover

sheet and assignment 3

Encl: Assignments (2)

PATENT

REEL: 053507 FRAME: 0188

700521602

ASSIGNMENT

WHEREAS, we (1) Denis Prodius, 2) Cajetan Ikenna Niebedim, and 3) Anja-Verena Mudring, hereinafter called "ASSIGNORS", residing at (1) 301 S. 5th Street-apt 390, Ames, IA 50010, (2) 5506 Maryland Street, Ames, IA 50014, and 3) Stockholm University, Svante Arrhenius vag 16c, Stockholm, SE,106.91, have invented certain new and useful improvements in "SEPARATING RARE EARTH METAL OXALATES" as described in a provisional application Serial No. 62/494,101 filed July 27, 2016, international application PCT/US2017/000040 filed July 20, 2017, and utility application Serial No. 16/350,841 filed January 22, 2019, for United States Letters Patent, and

WHEREAS, Itowa State University Research Foundation, Inc., hereinafter called "ASSIGNEE", having a place of business at 1805 Collaboration Place, Suite 2100, Ames, lowa 50010 is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefor in the United States and in any and all foreign countries.

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, the receipt whereof is hereby acknowledged, and other valuable consideration, we the ASSIGNORS have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said ASSIGNEE the full and exclusive right to said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations and extensions thereof.

We hereby authorize and request the Patent Office Officials in the United States and in any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of the entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its successors and assigns.

FURTHER, we agree that we will communicate to said ASSIGNEE or its representative any facts known to us respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths or declarations, and generally cooperate with said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

| 03/19/2019 Date | Signed: _ | Denis Prodius |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------------|
| Date | Signed: _ | Cajetan Ikenna Nlebedim |
| Date | Signed: | Anja-Verena Mudring |
| And the second s | | |
| Witness: Wawha 3/19/2019 | • | |
| Name of Witness Printed Date | | |
| ABHISHEK SARKAR 03/19/2019 | | |

Name of Witness Printed

Date

PATENT REEL: 053507 FRAME: 0189

4321

ASSIGNMENT

WHEREAS, we 1) Denis Prodius, 2) Cajetan Ikenna Nlebedim, and 3) Anja-Verena Mudring, hereinafter called "ASSIGNORS", residing at (1) 301 S. 5th Street- Apt. 390, Ames, Iowa 50010, 2) 5506 Maryland Street, Ames Iowa 50014, and 3) Stockholm University, Svante Arrhenius vag 16c, 109 61, Stockholm, Sweden, have invented certain new and useful improvements in "SEPARATING RARE EARTH METAL OXALATES" as described in utility application Serial No. 16/350,841 filed January 22, 2019, international application PCT application PCT/US2017/000040 filed July 20, 2017, and provisional application Serial No. 62/494,101 filed July 27, 2016, for United States Letters Patent; and

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FURTHER, we agree that we will communicate to said ASSIGNEE or its representative any facts known to us respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths or declarations, and generally cooperate with said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

| Date | Signed: | Denis Prodius | |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------|
| Date Date | Signed: | Cajetan İkenna Niebedim | ************************************** |
| Date | Signed: | Anja-Verena Mudring | Ministrative and the second second |
| Witness: Jonnifo Bruckpahler Jenhifor Bruckpahler | and the second of the second o | | MARANINI TRUMP BANGS BETCHMANNIN ANNO 11 MARANIN ANNO 11 MARANINA ANNO 11 MARANINA ANNO 11 MARANINA ANNO 11 MA |
| Date: 11-1-2019 | i delikas para taman dan dan seri eta ya kalinasi dalah | | |
| Witness Milling Sled | | | |
| Typed or printed name Date: //-/-/ | | • | |

PATENT REEL: 053507 FRAME: 0190 To: Page 2 of 7 2020-08-17 13:35:58 (GMT) 12313465900 From: ed timmer

IN THE US PATENT AND TRADEMARK OFFICE August 17, 2020

Inventors: Denis Prodius et al.

Title : SEPARATING RARE EARTH METAL OXALATES

Serial No.: 16/350,841 Group: 1778

Filed: January 22, 2019 Confirmation No: 7260

Assignment Recordation Branch Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

FIRST STATUS REQUEST FOR ASSIGNMENT RECORDATION

Dear Sir:

On April 2, 2020, the undersigned submitted a Recordation Form Cover Sheet and Assignment document for recording along with the fee of \$100.00. A copy of these papers is enclosed.

To-date, a Notice of Recordation has not been received and the assignment has not been recorded per the USPTO assignment site.

Please advise when the undersigned will receive the requested Notice of Recordation.

Respectfully submitted,

Edward J. Timmer

Reg. No. 27 402

Customer No. 47359

USSN 16/350,841

CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent Office to number 1-571-273-0140 on August 27, 2020.

Edward J. Timmer

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To: Page 1 of 7 2020-08-17 13:35:58 (GMT) 12313465900 From: ed timmer

FAX COVER SHEET

| ТО | |
|-----------|------------------------------------------------|
| COMPANY | |
| FAXNUMBER | 15712730140 |
| FROM | edtimmer |
| DATE | 2020-08-17 13:35:21 GMT |
| RE | USSN 16/350,841- status of assignment recordal |

COVER MESSAGE

Sent from Mail for Windows 10

RECORDED: 08/17/2020

PATENT REEL: 053507 FRAME: 0193