

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6580682

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JOHN H. PAVLISH	01/18/2021
EDWIN S. OLSON	01/15/2021
MICHAEL J. HOLMES	04/10/2020
RECEIVING PARTY DATA	
Name:	MIDWEST ENERGY EMISSIONS CORP
Street Address:	1810 JESTER DR
City:	CORSICANA
State/Country:	TEXAS
Postal Code:	75109
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15853029
CORRESPONDENCE DATA	
Fax Number:	
<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>	
Email:	request@slwip.com
Correspondent Name:	SCHWEGMAN LUNDBERG & WOESSNER, P.A.
Address Line 1:	P.O. BOX 2938
Address Line 4:	MINNEAPOLIS, MINNESOTA 55402
ATTORNEY DOCKET NUMBER:	4820.018US1
NAME OF SUBMITTER:	JANINE HEITLAND
SIGNATURE:	/ Janine Heitland /
DATE SIGNED:	03/03/2021
Total Attachments: 7	
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RECORDATION FORM COVER SHEET
PATENTS ONLY

Atty Ref/Docket No.: 4820.018US1

Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

John H. Pavlish, Edwin S. Olson, Michael J. Holmes

Additional name(s) of conveying party(ies) attached?

Yes No

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: January 18, 2021, January 15, 2021,
April 10, 2020

2. Name and address of receiving party(ies):

Name: Midwest Energy Emissions Corp

Street Address: 1810 Jester Dr

City: Corsicana State: TX Zip: 75109
Country: United States of America

Additional name(s) & address(es) attached? Yes
 No

4. Application number(s) or patent number(s):

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

A. Patent Application No.(s)

Serial No. 15/853,029

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Nicholas P. Lanzatella

Address:

Schwegman Lundberg & Woessner, P.A.
P.O. Box 2938
Minneapolis, Minnesota 55402

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 0.00

Enclosed

Authorized to be charged to deposit account
19-0743

8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743

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9. Statement and signature.

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.

Nicholas P. Lanzatella/Reg. No. 63,803
Name of Person Signing

Nicholas P. Lanzatella
Signature

March 3, 2021
Date

Total number of pages including cover sheet: 7

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Mail Stop Assignment Recordation Services
P.O. Box 1450
Alexandria, VA 22313-1450

PATENT
REEL: 055474 FRAME: 0307

ASSIGNMENT

WHEREAS, John H. Pavlish, Edwin S. Olson and Michael J. Holmes (hereinafter the "Undersigned") have made one or more inventions and other subject matter (hereinafter collectively referred to as the "Invention"); as described in the patent application filed on December 22, 2017, assigned US application serial number 15/853,029, and titled SORBENTS FOR THE OXIDATION AND REMOVAL OF MERCURY as described in a patent application filed on December 16, 2016 assigned United States application serial number 15/382,114, and titled PROMOTED AMMONIUM SALT-PROTECTED ACTIVATED CARBON SORBENT PARTICLES FOR REMOVAL OF MERCURY FROM GAS STREAMS; as described in a patent application filed on October 17, 2016 assigned United States application serial number 15/295,594, and titled SORBENTS FOR THE OXIDATION AND REMOVAL OF MERCURY; as described in a patent application filed on May 14, 2015 assigned United States application serial number 14/712,558, and titled SORBENTS FOR THE OXIDATION AND REMOVAL OF MERCURY; as described in a patent application filed on March 3, 2014 assigned United States application serial number 14/195,360, and titled ACTIVATED CARBON SORBENT INCLUDING NITROGEN AND METHODS OF USING THE SAME; as described in a patent application filed on December 11, 2013 assigned United States application serial number 14/102,896, and titled SORBENTS FOR THE OXIDATION AND REMOVAL OF MERCURY; as described in a patent application filed on August 14, 2013 assigned United States application serial number 13/966,768, and titled SORBENTS FOR THE OXIDATION AND REMOVAL OF MERCURY; as described in a provisional patent application filed on March 6, 2013 assigned United States application serial number 61/773,549, and titled ACTIVATED CARBON SORBENT INCLUDING NITROGEN AND METHODS OF USING THE SAME; as described in a patent application filed on March 22, 2012 assigned United States application serial number 13/427,665, and titled SORBENTS FOR THE OXIDATION AND REMOVAL OF MERCURY; as described in a patent application filed on April 23, 2009 assigned United States application serial number 12/429,058, and titled SORBENTS FOR THE OXIDATION AND REMOVAL OF MERCURY; as described in a patent application filed on April 6, 2009 assigned United States application serial number 12/419,219, and titled SORBENTS FOR THE OXIDATION AND REMOVAL OF MERCURY; as described in a patent application filed on August 29, 2008 assigned United States application serial number 12/201,595, and titled SORBENTS FOR THE OXIDATION AND REMOVAL OF MERCURY; as described in a patent application filed on August 22, 2005 assigned United States application serial number 11/209,163, and titled SORBENTS FOR THE OXIDATION AND REMOVAL OF MERCURY; and as described in a provisional patent application filed on August 30, 2004 assigned United States application serial number 60/605,640, and titled Sorbents for the oxidation and removal of mercury.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged by the Undersigned, the Undersigned do hereby irrevocably and unconditionally:

CONVEY, ASSIGN, AND TRANSFER to Midwest Energy Emissions Corp (the "Assignee"), a corporation of the State of Delaware, having a place of business at 670 D Enterprise Dr, Lewis Center, OH

43035, the Undersigned's entire right, title, and interest for the United States and all foreign countries and jurisdictions in and to:

the invention which is disclosed in the above-identified application or applications;

such application or applications, and all divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other applications for a patent or patents which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries and jurisdictions based in whole or in part on any of such invention (including any application for a utility model or an innovation patent application);

all original and reissued patents which have been or shall be issued in the United States and all foreign countries and jurisdictions based in whole or in part on any of such invention;

including the right to claim priority to the above-identified patent application or applications in relation to subject matter based in whole or in part on the above-identified patent application or applications and any of the foregoing including the right to file foreign applications under the provisions of any convention or treaty;

and including the right to all causes of action, remedies, and other enforcement rights related to the above-identified application or applications, including without limitation the right to sue for past, present, or future infringement, misappropriation, or violation of any and all rights related to the above-identified patent application or applications and any of the foregoing, including the right to obtain and collect damages for past, present, or future infringement;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such invention to the Assignee;

AUTHORIZE AND REQUEST that any attorney associated with U.S. Patent and Trademark Office (USPTO) Customer No. 21186 may (directly or through his/her designee) delete, insert, or alter any information related to the above-identified patent application or applications or any of the foregoing, after execution of this Assignment;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or shall be made to others by the Undersigned, and that the full right to convey the same as herein expressed is possessed by the Undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the Undersigned shall (1) execute all provisional, non-provisional, divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other patent applications for the invention; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers for the invention; (3) communicate to the Assignee all facts known to the Undersigned relating to the invention and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for the invention; and (5) take such further actions as the Assignee shall reasonably

Assignment

Assignors: John H. Pavlish et al.

Title: SORBENTS FOR THE OXIDATION AND REMOVAL OF MERCURY

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consider necessary or desirable for vesting title to such Invention in the Assignee, or for securing, maintaining and enforcing proper patent protection for the Invention;

COVENANT, that should any provision of this agreement be held unenforceable by an authority of competent jurisdiction, such a ruling shall not affect the validity and enforceability of the remaining provisions. To the extent that any such provision is found to be unenforceable, the Undersigned, when requested and without compensation shall act in good faith to substitute for such provision a new provision with content and purpose as close as possible to the provision deemed unenforceable.

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives, and successors of the Undersigned, and is to extend to the benefit of the successors, assigns, and nominees of the Assignee.

AGREED as of the date of my signature below:

Assignment

Docket No: 4820.018US1

Assignors: John H. Pavlish et al.

Title: SORBENTS FOR THE OXIDATION AND REMOVAL OF MERCURY

Page 4 of 6

Assignor:

(Signature):

/ *John H. Pavlish* /

Name: John H. Pavlish

City/State: East Grand Forks, MN

Date: 1/18/2021

Assignment

Assignors: John H. Poylish et al.

Title: SORBENTS FOR THE OXIDATION AND REMOVAL OF MERCURY

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Docket No: 4826.018US1

DECLARATION (37 CFR 1.51) FOR UTILITY OR DESIGN APPLICATION USING AN

Assignor:

(Signature):

Edwin S. Olson

Name: Edwin S. Olson

City/State: Grand Forks, ND

Date:

6-15-2021

I, the undersigned, declare that I am the assignor of the invention herein described in the Declaration as of the date hereof.

The above-named inventor is a citizen of the United States of America.

I believe that I am the assignor of the invention herein described in the Declaration as of the date hereof.

I hereby declare under penalty of perjury that the statements made in this declaration are true and correct to the best of my knowledge and belief.

WARNING:

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FULL NAME OF INVENTOR

Edwin S. Olson

Date (Optional)

Edwin S. Olson

Note: An applicant for a U.S. PATENT is considered to be a citizen of the United States if, at the time of filing the application, he or she is a citizen of the United States or has been a citizen of the United States at any time during his or her life.

PATENT

REEL: 055474 FRAME: 0312

Assignment

Docket No: 4820.018US1

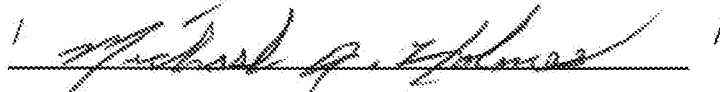
Assignors: John H. Pavlish et al.

Title: SORBENTS FOR THE OXIDATION AND REMOVAL OF MERCURY

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Assignor:

(Signature):



Name: Michael J. Holmes

City/State: Thompson, ND

Date:

2/10/2020