505016159 07/23/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HAL STUHLER	07/23/2018
LORI STUHLER	07/23/2018
VAN T. WALWORTH	07/13/2018
SCOTT DRUMMOND	07/22/2018

RECEIVING PARTY DATA

Name:	CHEMICAL AND METAL TECHNOLOGIES, LLC
Street Address:	1400 AFFLINK PLACE
Internal Address:	SUITE 100
City:	TUSCALOOSA
State/Country:	ALABAMA
Postal Code:	35406

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16042692

CORRESPONDENCE DATA

Fax Number:

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: 248-641-1600

Email: troymailroom@hdp.com, preynolds@hdp.com

Correspondent Name: HARNESS, DICKEY & PIERCE, P.L.C.

Address Line 1: P.O. BOX 828

Address Line 4: BLOOMFIELD HILLS, MICHIGAN 48303

ATTORNEY DOCKET NUMBER:	16927-000001-US-CPE
NAME OF SUBMITTER:	PAUL A. KELLER
SIGNATURE:	/Paul A. Keller/
DATE SIGNED:	07/23/2018

Total Attachments: 6

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PATENT REEL: 046431 FRAME: 0831

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PATENT REEL: 046431 FRAME: 0832

The undersigned acknowledges that this document is being used both as an assignment of the invention and as the declaration (37 CFR 1.63) for a Utility or Design Application entitled:

EMISSIONS CONTROL SYSTEM INCLUDING CAPABILITY TO CLEAN AND/OR REJUVENATE CARBON-BASED SORBENTS AND METHOD OF USE

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AS.	a pelow	named	inventor,	i nereby	declare	tnat:

\boxtimes	The attached application, or
	United States application or PCT international application number
	filed on

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the above-identified application.

I hereby acknowledge that any willful false statement made in this Declaration and Assignment is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims.

I acknowledge that I am aware of the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

For good and valuable consideration, the receipt and adequacy whereof I hereby acknowledge, I hereby confirm any prior assignment to Chemical and Metal Technologies, LLC, 1400 Afflink Place, Suite 100, Tuscaloosa, AL 35406, an Alabama limited liability company (hereinafter "Assignee" or "the Alabama LLC"), and to the extent that I have not already done so, agree to assign, and hereby do, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the above-identified application, to the above-identified application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the above-

PATENT REEL: 046431 FRAME: 0833

Attorney Docket No. 16927-000001-US-CPE

DECLARATION AND ASSIGNMENT

identified application, and any United States or foreign Letters Patent, utility model, or other

similar rights which may be granted thereon, including reissues, reexaminations and extensions

thereof, and all copyright rights throughout the world in the aforesaid application and the subject

matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to

the full end of the term for which the Letters Patent, utility model, or other similar rights, are

granted and any extensions thereof as fully and entirely as the same would have been held by

me had this assignment and sale not been made, and the right to sue for, and recover for past

infringements of, or liabilities for, any of the rights relating to any of the applications, patents,

utility models, or other similar rights, resulting therefrom, and the copyright rights.

I hereby covenant and agree to execute all instruments or documents required or requested for

the making and prosecution of any applications of any type for patent, utility model, or other

similar rights, and for copyright, in the United States and in all foreign countries including, but

not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute

thereof, any derivation proceedings relating thereto, and as to Letters Patent any supplemental

examination, derivation proceeding, opposition, post grant review, reissue, re-examination, inter-

partes review, or extension thereof, and for litigation regarding, or for the purpose of protecting

title and to the said invention, the United States application for patent, or Letters Patent therefor,

and to testify in support thereof, for the benefit of Assignee without further or other

compensation than that above set forth.

I hereby covenant that I have not made and will not make any assignment, sale, license,

agreement or encumbrance which would conflict with this Declaration and Assignment.

I hereby request the United States Patent and Trademark Office to issue the Letters Patent of

the United States of America to Assignee, and request that any official of any country or

countries foreign to the United States, whose duty it is to issue or grant patents and applications

as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to

Assignee.

I hereby grant the law firm of Harness, Dickey & Pierce, P.L.C. the power to insert on this

Declaration and Assignment any further identification which may be necessary or desirable in

order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this

document.

Page 2 of 3

REEL: 046431 FRAME: 0834

For inventors Hal Stuhler and Lori Stuhler, it is specifically acknowledged and agreed by them that Chemical and Metal Technologies, LLC, a Delaware limited liability company in which they separately or together collectively have an interest (hereafter "the Delaware LLC"), has no right, title, or interest to the above-identified application and the inventions described therein other than any ownership interest that the Delaware LLC may have in the Alabama LLC, and that they have no obligation to assign any right, title, or interest in the above-identified application and the inventions described therein to the Delaware LLC.

-the Stables	23/7/2018
Hal Stunler	Dated
Jouly Stubles	July 23 2018
Lori Stuhler	Datled (/
Van T. Walworth	13 July 2018
Van T. Walworth	Dated
Scott Drummond	Dated

Page 3 of 3

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As a below named inventor, I hereby declare that:

\boxtimes	The attached application, or
	United States application or PCT international application number
	filed on

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the above-identified application.

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PATENT REEL: 046431 FRAME: 0836

Attorney Docket No. 16927-000001-US-CPE

DECLARATION AND ASSIGNMENT

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thereof, any derivation proceedings relating thereto, and as to Letters Patent any supplemental

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Page 2 of 3

REEL: 046431 FRAME: 0837

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Hal Stuhler	Dated
Lori Stuhler	Dated
Van T. Walworth	/3 Ju (タ Z o / 8 Dated
Scott Drummond	7/22/18 Dated

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