

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5425097

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BARRY WAYNE STOLZMAN	10/16/2018
MICHAEL LYN MENGEL	10/16/2018
MICHAEL TOM HAMMER	10/16/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Marsulex Environmental Technologies Corporation
<b>Street Address:</b>	200 N.Seventh St.
<b>City:</b>	Lebanon
<b>State/Country:</b>	PENNSYLVANIA
<b>Postal Code:</b>	17046-5006
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16154337
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(219)464-1166
<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>	
<b>Phone:</b>	2194624999
<b>Email:</b>	cpisarski@hartmanglobal-ip.com
<b>Correspondent Name:</b>	DOMENICA N.S. HARTMAN
<b>Address Line 1:</b>	HARTMAN GLOBAL IP LAW
<b>Address Line 2:</b>	2621 CHICAGO STREET, SUITE A
<b>Address Line 4:</b>	VALPARAISO, INDIANA 46383
<b>ATTORNEY DOCKET NUMBER:</b>	B8-5346
<b>NAME OF SUBMITTER:</b>	DOMENICA N.S. HARTMAN
<b>SIGNATURE:</b>	/Domenica N.S. Hartman/
<b>DATE SIGNED:</b>	03/15/2019
<b>Total Attachments: 5</b>	
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COMBINED DECLARATION AND ASSIGNMENT

**FOR UTILITY OR DESIGN PATENT APPLICATION**

As the below named inventor(s), I/we hereby declare that:

This declaration and assignment are directed to:

**CONVERSION EQUIPMENT FOR FLUE GAS DESULFURIZATION SYTEMS AND METHODS  
OF CONVERTING CALCIUM-BASED FLUE GAS DESULFURIZATION SYSTEMS**

- ☐ the specification of which is attached hereto OR
- ☒ United States application or PCT international application number  
16/154,337 filed on October 8, 2018, claiming the benefit of U.S. Provisional  
Application No. 62/569,494, filed October 7, 2017.

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

We believe that we are original joint inventors of a claimed invention in the application.

We hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC § 1001 by fine or imprisonment of not more than five (5) years, or both.

We have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to the patentability of this application as defined in 37 CFR § 1.56, including, for continuation-in-part applications, material information which became available between the filing date of the prior application and the filing date of the continuation-in-part application.

In accordance with our obligation(s) to Marsulex Environmental Technologies Corporation, a Pennsylvania corporation, and/or for other good and valuable consideration of which we acknowledge receipt, I/we,

Inventor First Name	Inventor Middle Name	Inventor Last Name		Residence Town	Residence State	Residence Country
Barry	Wayne	Stolzman	of	Nazareth	PA	US
Michael	Lyn	Mengel	of	Fredericksburg	PA	US
Michael	Tom	Hammer	of	Birdsboro	PA	US

hereby sell and assign to:

Name of Company: Marsulex Environmental Technologies Corporation
Entity Type (optional): Corporation
Address: 200 N. Seventh St., Lebanon, PA 17046 USA

herein referred to as "Company", its successors and assigns our entire respective rights, titles and interests in and to the invention and improvements made or conceived by us described in the application(s) listed above and in the following table:

Country of Filing	Type of Filing	Application Number	Filing Date	Title
US	Utility	16/154,337	10/08/2018	Conversion Equipment for Flue Gas Desulfurization Systems and Methods of Converting Calcium- Based Flue Gas Desulfurization Systems

and any and all applications for patent and patents therefrom in any and all countries, including all divisions, continuations, continuations-in-part, reexaminations, renewals, and reissues thereof, and all rights of priority resulting from the filing of the application(s), and authorize and request any official whose duty it is to issue patents, to issue any patent on the inventions and improvements resulting therefrom to the Company, or its successors or assigns, and agree that on request and without further consideration, we will communicate to the Company or its representatives or nominees any facts known to us respecting the inventions and improvements and testify in any legal proceeding, make all rightful oaths, sign all lawful papers and 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 in all countries including, but not limited to, any provisional, non-provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, for any derivation proceedings relating thereto, and, as to any patents that issue from such applications, for any supplemental examination, derivation proceeding, opposition, post grant review, reissue, re-examination, inter parties review, or extension thereof, and generally do everything possible to aid the Company, its successors, assigns, and nominees to obtain and enforce proper patent protection for the invention and its improvements in all countries.

Docket No. B8-5346

INVENTOR 1

Signature: [Signature]  
**Barry Wayne Stolzman**

Date: 10/16/18

Witnessed by: [Signature]  
Signature

Date: 10/16/18

MICHAEL A. WALSH  
Printed Name of Witness

Witnessed by: [Signature]  
Signature

Date: 10/16/18

AMY P. EVANS  
Printed Name of Witness

**SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY**

[Signature]  
**Barry Wayne Stolzman**

Date: 10/16/18

STATE OF Pennsylvania ss.  
COUNTY OF Lebanon

This 16 day of October, 2018 before me personally came the above-named Barry Wayne Stolzman, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

[Signature]  
(Notary Public)

Commonwealth of Pennsylvania - Notary Seal  
CYNTHIA E HEISEY - Notary Public  
Lebanon County  
My Commission Expires Aug 16, 2022  
Commission Number 1225816

INVENTOR 2

Signature: Michael Lyn Mengel  
Michael Lyn Mengel

Date: 10-16-18

Witnessed by: Amy P. Evans  
Signature

Date: 10-16-2018

Amy P. Evans  
Printed Name of Witness

Witnessed by: Tawnya Hitz  
Signature

Date: 10/16/18

Tawnya Hitz  
Printed Name of Witness

**SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY**

Michael Lyn Mengel

Date: 10-16-18

Michael Lyn Mengel

STATE OF Pennsylvania

ss.

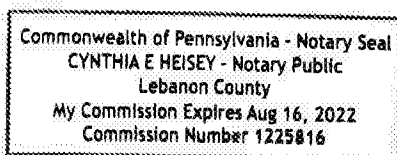
COUNTY OF Lebanon

This 16 day of October, 2018 before me personally came the above-named Michael Lyn Mengel, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

Cynthia E. Heisey

(Notary Public)



INVENTOR 3

Signature: Michael Tom Hammer  
Michael Tom Hammer

Date: 10-16-2018

Witnessed by: Amy P. Evans  
Signature

Date: 10-16-2018

Amy P. EVANS  
Printed Name of Witness

Witnessed by: Tawnya Hitz  
Signature

Date: 10/16/18

Tawnya Hitz  
Printed Name of Witness

**SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY**

Michael Tom Hammer  
Michael Tom Hammer

Date: 10-16-2018

STATE OF Pennsylvania  
COUNTY OF Lebanon ss.

This 16 day of October, 2018 before me personally came the above-named Michael Tom Hammer, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

Cynthia E. Heisey

(Notary Public)

