

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5686700

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
DAVID T. DOUGHTY	01/29/2016
GINA L. MCNAMARA	01/28/2016
RECEIVING PARTY DATA	
Name:	CALGON CARBON CORPORATION
Street Address:	3000 GSK DRIVE
City:	MOON TOWNSHIP
State/Country:	PENNSYLVANIA
Postal Code:	15108
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16356640
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:	docketingpgh@pepperlaw.com
Correspondent Name:	PEPPER HAMILTON LLP
Address Line 1:	501 GRANT STREET, SUITE 300
Address Line 2:	UNION TRUST BUILDING
Address Line 4:	PITTSBURGH, PENNSYLVANIA 15219-4429
ATTORNEY DOCKET NUMBER:	123450.11111
NAME OF SUBMITTER:	ANTONELLE M. PICCIRILLI
SIGNATURE:	/Antonelle M. Piccirilli/
DATE SIGNED:	08/26/2019
Total Attachments: 8	
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ASSIGNMENT

WHEREAS, I, David T. DOUGHTY (hereinafter "Assignor"), am an inventor of a certain new and useful invention(s) as set forth and disclosed in the patent application(s) listed in Schedule A attached hereto (hereinafter the "Invention"):

WHEREAS, Calgon Carbon Corporation, having an address of 3000 GSK Drive, Moon Township, PA 15108 (hereinafter "Assignee"), is desirous of acquiring Assignor's entire right, title and interest in and to said Invention and in and to any and all Letters Patent of the United States and foreign countries that may be obtained therefor.

WHEREAS, Assignor conveyed to Assignee all of Assignor's right, title, and interest in the Invention pursuant to Assignor's obligations under the Assignment executed on November 21, 2014.

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, at least as of November 21, 2014, Assignor does hereby confirm Assignor's previous assignment and does hereby sell, assign, transfer and set over unto Assignee, its legal representatives, successors, and assigns, Assignor's entire right, title and interest in and to said Invention as set forth in the scheduled application(s), including any applications which claim priority to the scheduled application(s), any application(s) to which the scheduled application(s) claim priority, and any continuations, continuations-in-part, divisions, registrations, reissues, re-examinations or extensions thereof, whether in the U.S. or any foreign country, and in and to any and all patents of the United States and foreign countries which may be issued for said Invention;

AND for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, Assignor does hereby sell, assign, transfer and set over unto Assignee, its legal representatives, successors, and assigns all rights to claim priority rights deriving from the Invention and scheduled application(s); all causes of action and remedies related to the Invention and scheduled application(s) (including, without limitation, the right to sue for past, present, or future infringement, misappropriation or violation of rights related to any of the foregoing and the right to collect royalties and other payments under or on account of any of the foregoing); and any and all other rights and interests arising out of, in connection with, or in relation to the Invention and scheduled application(s).

UPON SAID CONSIDERATION, Assignor shall not execute any writing or do any act whatsoever conflicting with the terms and conditions of this Assignment, and that Assignor will, at any time upon request, without further or additional consideration, but at the expense of said Assignee, execute such additional assignments and other writings and do such additional acts as said Assignee may deem necessary or desirable to perfect Assignee's enjoyment of this grant, and render all necessary assistance in making application for or obtaining original patents or applications, continuations, continuations-in-part, divisions, registrations, reissues, re-examinations or extensions thereof, whether in the U.S. or any foreign country, for said Invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any and all proceedings or transactions involving such applications or patents, and by executing preliminary statements and other

affidavits, it being understood that the foregoing covenant and agreement shall bind and inure to the benefit of the assigns and legal representatives of Assignor and Assignee.

The undersigned hereby grant(s) the firm of PEPPER HAMILTON LLP the power to insert on this Assignment any further identification, including the country, application number, filing date and/or title, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or other patent office for recordation of this document; and

The undersigned requests that any patents that may be issued for said Invention be issued to said Assignee, its legal representatives, successors or assigns, as an owner of my entire right, title and interest in and to said patent and the Invention covered thereby.

Date: 1/29/16

Assignor: 
David T. DOUGHTY

ACKNOWLEDGMENT

STATE OF PENNSYLVANIA)
)
COUNTY OF ALLEGHENY) SS:

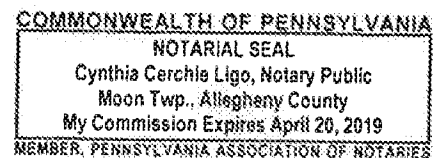
On this 29th day of January, 2016, before me, a Notary Public, the undersigned officer, personally appeared David T. DOUGHTY, to me known (or satisfactorily proven) to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

SEAL

Notary Public



My commission expires 4/20/19



Agreed and accepted:

Calgon Carbon Corporation

Date: January 29, 2016Assignee: Chad WhalenBy: Chad WhalenTitle: Senior Vice President, General Counsel & Secretary**ACKNOWLEDGMENT**STATE OF PENNSYLVANIA)

SS:

COUNTY OF ALLEGHENY)

On this 29th day of January, 2016, before me, a Notary Public, the undersigned officer, personally appeared Chad Whalen, to me known (or satisfactorily proven) to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

S E A L

Notary Public Jessica Rachel DuffyMy commission expires August 11, 2019

COMMONWEALTH OF PENNSYLVANIA

NOTARIAL SEAL

Jessica Rachel Duffy, Notary Public

Moon Twp., Allegheny County

My Commission Expires Aug. 11, 2019

MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

SCHEDULE A

Country	Patent Application No.	Filing Date	Title
US	62/101,622	January 9, 2015	CARBON SORBENTS FOR THE REMOVAL OF NITROGEN OXIDES AND METHODS FOR MAKING THE SAME
US	14/992,554	January 11, 2016	CARBON SORBENTS FOR THE REMOVAL OF NITROGEN OXIDES AND METHODS FOR MAKING THE SAME
WO	PCT/US2016/012852	January 11, 2016	CARBON SORBENTS FOR THE REMOVAL OF NITROGEN OXIDES AND METHODS FOR MAKING THE SAME

A S S I G N M E N T

WHEREAS, I, Gina L. MCNAMARA (hereinafter "Assignor"), am an inventor of a certain new and useful invention(s) as set forth and disclosed in the patent application(s) listed in Schedule A attached hereto (hereinafter the "Invention"):

WHEREAS, Calgon Carbon Corporation, having an address of 3000 GSK Drive, Moon Township, PA 15108 (hereinafter "Assignee"), is desirous of acquiring Assignor's entire right, title and interest in and to said Invention and in and to any and all Letters Patent of the United States and foreign countries that may be obtained therefor.

WHEREAS, Assignor conveyed to Assignee all of Assignor's right, title, and interest in the Invention pursuant to Assignor's obligations under the Assignment executed on November 21, 2014.

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, at least as of November 21, 2014, Assignor does hereby confirm Assignor's previous assignment and does hereby sell, assign, transfer and set over unto Assignee, its legal representatives, successors, and assigns, Assignor's entire right, title and interest in and to said Invention as set forth in the scheduled application(s), including any applications which claim priority to the scheduled application(s), any application(s) to which the scheduled application(s) claim priority, and any continuations, continuations-in-part, divisions, registrations, reissues, re-examinations or extensions thereof, whether in the U.S. or any foreign country, and in and to any and all patents of the United States and foreign countries which may be issued for said Invention;

AND for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, Assignor does hereby sell, assign, transfer and set over unto Assignee, its legal representatives, successors, and assigns all rights to claim priority rights deriving from the Invention and scheduled application(s); all causes of action and remedies related to the Invention and scheduled application(s) (including, without limitation, the right to sue for past, present, or future infringement, misappropriation or violation of rights related to any of the foregoing and the right to collect royalties and other payments under or on account of any of the foregoing); and any and all other rights and interests arising out of, in connection with, or in relation to the Invention and scheduled application(s).

UPON SAID CONSIDERATION, Assignor shall not execute any writing or do any act whatsoever conflicting with the terms and conditions of this Assignment, and that Assignor will, at any time upon request, without further or additional consideration, but at the expense of said Assignee, execute such additional assignments and other writings and do such additional acts as said Assignee may deem necessary or desirable to perfect Assignee's enjoyment of this grant, and render all necessary assistance in making application for or obtaining original patents or applications, continuations, continuations-in-part, divisions, registrations, reissues, re-examinations or extensions thereof, whether in the U.S. or any foreign country, for said Invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any and all proceedings or transactions involving such applications or patents, and by executing preliminary statements and other

affidavits, it being understood that the foregoing covenant and agreement shall bind and inure to the benefit of the assigns and legal representatives of Assignor and Assignee.

The undersigned hereby grant(s) the firm of PEPPER HAMILTON LLP the power to insert on this Assignment any further identification, including the country, application number, filing date and/or title, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or other patent office for recordation of this document; and

The undersigned requests that any patents that may be issued for said Invention be issued to said Assignee, its legal representatives, successors or assigns, as an owner of my entire right, title and interest in and to said patent and the Invention covered thereby.

Date: January 28, 2016

Assignor: Gina L. McNamara
Gina L. MCNAMARA

ACKNOWLEDGMENT

STATE OF PENNSYLVANIA)
)
COUNTY OF ALLEGHENY) SS:

On this 28th day of January, 2016, before me, a Notary Public, the undersigned officer, personally appeared Gina L. MCNAMARA, to me known (or satisfactorily proven) to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

S E A L

Notary Public

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
Cynthia Cerchie Ligo, Notary Public
Moon Twp., Allegheny County
My Commission Expires April 20, 2019
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

My commission expires June 1, 2019

Agreed and accepted:

Calgon Carbon Corporation

Date: January 29, 2016Assignee: Chad WhalenBy: Chad WhalenTitle: Senior Vice President, General Counsel & SecretaryACKNOWLEDGMENTSTATE OF PENNSYLVANIA)COUNTY OF ALLEGHENY)

SS:

On this 29th day of January, 2016, before me, a Notary Public, the undersigned officer, personally appeared Chad Whalen, to me known (or satisfactorily proven) to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

S E A L

Notary Public Jessica Rachel DuffyMy commission expires August 11, 2019

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
Jessica Rachel Duffy, Notary Public
Moon Twp., Allegheny County
My Commission Expires Aug. 11, 2019
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

SCHEDULE A

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WO	PCT/US2016/012852	January 11, 2016	CARBON SORBENTS FOR THE REMOVAL OF NITROGEN OXIDES AND METHODS FOR MAKING THE SAME