

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6007788

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
BIOGENIC REAGENTS VENTURES, LLC		06/06/2017
RECEIVING PARTY DATA		
Name:	CARBON TECHNOLOGY HOLDINGS, LLC	
Street Address:	16 WEST 46TH STREET, FLOOR 11	
Internal Address:	C/O SANDTON CAPITAL PARTNERS, LLC	
City:	NEW YORK	
State/Country:	NEW YORK	
Postal Code:	10036	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	15654262	
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:	patentprocurement@perkinscoie.com	
Correspondent Name:	PERKINS COIE LLP	
Address Line 1:	P.O. BOX 1247	
Address Line 4:	SEATTLE, WASHINGTON 98111	
ATTORNEY DOCKET NUMBER:	126267-8003.US03	
NAME OF SUBMITTER:	DENISE WILSON	
SIGNATURE:	/denise wilson/	
DATE SIGNED:	03/11/2020	
Total Attachments: 8		
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Patent Assignment

WHEREAS, **Biogenic Reagents Ventures, LLC**, a Delaware limited liability company having its main place of business at 133 First Avenue N., Minneapolis, MN 55401 (hereafter referred to as the "ASSIGNOR"), owns the patents and patent applications listed in Schedule A (hereafter referred to as the "Patents"), which is attached hereto and incorporated herein by reference, and the inventions disclosed therein; and

WHEREAS, **Carbon Technology Holdings, LLC**, a Delaware limited liability company having its main place of business at c/o Sandton Capital Partners, LLC, 16 West 46th Street, Floor 11, New York, NY 10036 (hereafter referred to as the "ASSIGNEE"), is entitled, by virtue of a prior agreement between the parties, to a complete and absolute assignment of the entire right, title and interest in, to and under said Patents and inventions;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor has sold, assigned and transferred, and does hereby sell, assign, and transfer unto the said Assignee, its successors, legal representatives and assigns, the entire right, title and interest in, to and under said Patents and inventions, and all patent applications claiming priority to the same, and all divisionals, renewals, continuations, and continuations-in-part thereof, and all Letters Patent of the United States which may be granted thereon and all reissues, reexaminations, and extensions thereof, and all priority rights under all available international agreements, treaties and conventions for the protection of intellectual property in its various forms in every participating country, and all applications for Letters Patent or other grants of protection of proprietary rights including, but not limited to, inventor's certificate, utility model, utility certificate, patent of importation, registration of patent and industrial design registration which have been or may be filed, and which may be granted, for said inventions in the United States and any countries or regions foreign to the United States, and all reissues, reexaminations, renewals and extensions thereof; and Assignor hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other forms of protection on applications as aforesaid, to issue all Letters Patent and other forms of protection for said inventions to said Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

Assignor HEREBY covenants that it has full right to convey the entire interest herein assigned, and that Assignor has not executed, and will not execute, any agreement in conflict herewith.

Assignor HEREBY further covenants and agrees that Assignor will communicate to said Assignee, its successors, legal representatives and assigns, any facts known to Assignor respecting said inventions, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and generally do everything possible to aid said Assignee, its successors, legal representatives and assigns, at their expense but for no further consideration to Assignor, to obtain and enforce proper patent protection and other forms of proprietary protection for said inventions in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 6 day of June, 2017.

ASSIGNOR:

Biogenic Reagents Ventures, LLC

By: [Signature]

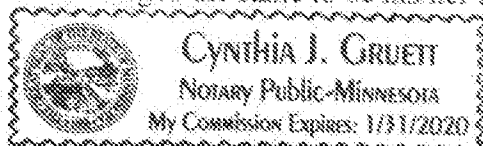
Name: JAMES MENNELL

Title: CEO

STATE OF MN §

COUNTY OF Anoka §

On this 6th day of June, 2017, before me, a Notary Public in and for the State and County aforesaid, personally appeared James Mennell, in his/her capacity as CEO of BIOGENIC REAGENTS VENTURES, LLC, known to me to be the person of that name, who signed and sealed the foregoing instrument, and he/she acknowledged the same to be his/her free act and deed on behalf of said Assignor.



Cynthia J. Gruett
Notary Public, State of Minnesota
My Commission Expires: 1/31/20

**SCHEDULE A
TO PATENT ASSIGNMENT
FROM BIOGENIC REAGENTS VENTURES, LLC
TO CARBON TECHNOLOGY HOLDINGS, LLC**

Title of Invention	Ctry	App. No.	Filing Date	Pat. No.	Date Issued	Status
Carbon Micro-Plant	US	61/928,106	1/16/2014			Expired
Carbon Micro-Plant	PCT	PCT/US13/11787	1/16/2013			Expired
Carbon Micro-Plant	BR	BR1120160165527	1/16/2015			Pending
Carbon Micro-Plant	CA					Unfiled
Carbon Micro-Plant	EP	15737937	1/16/2015			Pending
Carbon Micro-Plant	MX	MX/a/2016/009270	1/16/2015			Pending
Carbon Micro-Plant	US	14/599,020	1/16/2015	9,475,031	10/25/2016	Issued
Carbon Micro-Plant	US	14/599,038	1/16/2015			Pending
Carbon Micro-Plant	US	14/599,089	1/16/2015			Allowed
Biogenic Coal Replacement Product	US	61/475,930	4/15/2011			Expired
Biogenic Coking Carbon Product	US	61/475,937	4/15/2011			Expired
Biogenic Fluidized Bed Product	US	61/475,943	4/15/2011			Expired
Biogenic Stoker Carbon Product	US	61/475,946	4/15/2011			Expired
Biogenic Carbon Breeze Blast Furnace Addition Product	US	61/475,949	4/15/2011			Expired

Title of Invention	Ctry	App. No.	Filing Date	Pat. No.	Date Issued	Status
Biogenic Ladle Addition Product	US	61/475,956	4/15/2011			Expired
Biogenic Carbon Breeze Taconite Pellet Addition Product	US	61/475,959	4/15/2011			Expired
Biogenic Injectible Carbon Product	US	61/475,968	4/15/2011			Expired
Biogenic Furnace Addition Product	US	61/475,971	4/15/2011			Expired
Process for Producing A High Carbon Biogenic Reagent	US	61/475,973	4/15/2011			Expired
High Carbon Biogenic Reagent	US	61/475,977	4/15/2011			Expired
System For Production of Biogenic Reagent	US	61/475,981	4/15/2011			Expired
Material Enrichment Unit	US	61/475,991	4/15/2011			Expired
Material Feed System	US	61/475,996	4/15/2011			Expired
Biogenic Met Coke Product	US	61/476,025	4/15/2011			Expired
Biogenic Pulverized Carbon Product	US	61/476,043	4/15/2011			Expired
Biogenic Carbon Anode	US	61/476,049	4/15/2011			Expired
Processes for Producing High-Carbon Biogenic Reagents	PCT	PCT/US2012/033630	4/13/2012			Expired
Processes for Producing High-Carbon Biogenic Reagents	IN	8964/DELNP/2013	4/13/2012			Pending
Processes for Producing High-Carbon Biogenic Reagents	BR	BR1120130263531	4/13/2012			Pending
Processes for Producing High-Carbon Biogenic Reagents	CA	2833179	10/11/2013			Pending

Title of Invention	City	App. No.	Filing Date	Pat. No.	Date Issued	Status
Processes for Producing High-Carbon Biogenic Reagents	EP	2012771449	10/15/2013			Pending
Processes for Producing High-Carbon Biogenic Reagents	JP	2014505366	10/11/2013			Abandoned
Process For Producing High-Carbon Biogenic Reagents	US	14/111,226	12/4/2013	9,388,355	7/12/2016	Issued
Process For Producing High-Carbon Biogenic Reagents	US	15/180,650	6/13/2016			Pending
Systems and Apparatus For Production of High-Carbon Biogenic Reagents	PCT	PCT/US2012/033628	4/13/2012			Expired
Systems and Apparatus For Production of High-Carbon Biogenic Reagents	CA	2833286	10/11/2013			Pending
Systems and Apparatus For Production of High-Carbon Biogenic Reagents	IN	8969/DELNP/2013	4/13/2012			Pending
Systems and Apparatus For Production of High-Carbon Biogenic Reagents	JP	2014505364	10/11/2013			Withdrawn
Systems and Apparatus For Production of High-Carbon Biogenic Reagents	JP	2017-36139	4/13/2012			Pending
Systems And Apparatus For Production of High-Carbon Biogenic Reagents	US	14/111,281	12/4/2013	9,388,046	7/12/2016	Issued
Systems and Apparatus for Production of High-Carbon Biogenic Reagents	US	15/180,763	6/13/2016			Pending
High-Carbon Biogenic Reagents And Uses Thereof	US	13/448,764	4/13/2012	8,920,523	12/30/2014	Issued
High-Carbon Biogenic Reagents and Uses Thereof	PCT	PCT/US12/33624	4/13/2012			Expired
High-Carbon Biogenic Reagents And Uses Thereof	BR	BR1120130264659	4/13/2012			Pending
High-Carbon Biogenic Reagents And Uses Thereof	CA	2833284	10/11/2013			Pending
High-Carbon Biogenic Reagents And Uses Thereof	EP	2012771330	10/15/2013			Pending

Title of Invention	City	App. No.	Filing Date	Pat. No.	Date Issued	Status
High-Carbon Biogenic Reagents And Uses Thereof	IN	8965/DU/NP/2013	4/13/2012			Pending
High-Carbon Biogenic Reagents And Uses Thereof	JP	2014505361	10/11/2013			Abandoned
High Carbon Biogenic Reagents And Uses Thereof	US	14/548,874	11/20/2014			Pending
Highly Mesoporous Activated Carbon	US	61/943,565	2/24/2014			Expired
Highly Mesoporous Activated Carbon	PCT	PCT/US15/17351	2/24/2015			Expired
Highly Mesoporous Activated Carbon	CA					Unfiled
Highly Mesoporous Activated Carbon	EP	2015732741	9/13/2016			Published
Highly Mesoporous Activated Carbon	US	14/630,331	2/24/2015			Abandoned
Highly Mesoporous Activated Carbon	US	15/172,358	6/3/2016			Pending
Methods and Apparatus For Enhancing The Energy Content Of Carbonaceous Materials From Pyrolysis	PCT	PCT/US12/33627	4/13/2012			Expired
Methods and Apparatus For Enhancing The Energy Content Of Carbonaceous Materials From Pyrolysis	CA	2833285	10/11/2013			Pending
Methods and Apparatus For Enhancing The Energy Content Of Carbonaceous Materials From Pyrolysis	JP	2014505363	10/11/2013			Abandoned
Methods and Apparatus For Enhancing The Energy Content Of Carbonaceous Materials From Pyrolysis	US	14/111,240	12/4/2013			Pending
Biogenic Activated Carbon and Methods of Making and Using Same	US	61/640,741	5/7/2012			Expired
Biogenic Activated Carbon and Methods of Making and Using Same	US	61/721,827	11/2/2012			Expired
Biogenic Activated Carbon and Methods of Making and Using Same	US	61/737,514	12/14/2012			Expired

Title of Invention	Clas.	App. No.	Filing Date	Pat. No.	Date Issued	Status
Biogenic Activated Carbon and Methods of Making and Using Same	PCT	PCT/US13/39981	5/7/2013			Expired
Biogenic Activated Carbon and Methods of Making and Using Same	BR	BR/120140779780	5/7/2013			Pending
Biogenic Activated Carbon and Methods of Making and Using Same	CA	2873040	11/7/2014			Pending
Biogenic Activated Carbon and Methods of Making and Using Same	EP	13787003.6	5/7/2013			Published
Biogenic Activated Carbon and Methods of Making and Using Same	IN	9442/DELNP/2014	5/7/2013			Pending
Biogenic Activated Carbon and Methods of Making and Using Same	JP	2015511633	11/6/2014			Pending
Biogenic Activated Carbon and Methods of Making and Using Same	MX	MX/a/2014/013561	5/7/2013			Pending
Biogenic Activated Carbon and Methods of Making and Using Same	PCT	PCT/US13/39991	5/7/2013			Expired
Biogenic Activated Carbon and Methods of Making and Using Same	EP	2013780357	12/3/2014			Pending
Biogenic Activated Carbon and Methods of Making and Using Same	JP	2015511635	11/6/2014			Pending
Biogenic Activated Carbon and Methods of Making and Using Same	PCT	PCT/US13/39986	5/7/2013			Expired
Biogenic Activated Carbon and Methods of Making and Using Same	EP	13787148.9	5/7/2013			Pending
Biogenic Activated Carbon and Methods of Making and Using Same	JP	2015511634	11/6/2014			Pending
Biogenic Activated Carbon and Methods of Making and Using Same	US	14/099,793	11/7/2014			Pending
Methods and Apparatus For Producing Activated Carbon From Biomass Through Carbonized Ash Intermediates	US	61,895,381	10/24/2013			Expired

Title of Invention	Country	App. No.	Filing Date	Pat. No.	Date Issued	Status
Methods and Apparatus For Producing Activated Carbon From Biomass Through Carbonized Ash Intermediates	US	14/523,358	10/24/2014			Pending
Methods and Apparatus For Producing Activated Carbon From Biomass Through Carbonized Ash Intermediates	PCT	PCT/US14/62202	10/24/2014			Pending
Halogenated Activated Carbon Compositions And Methods Of Making And Using Same	US	62/668,258	10/24/2014			Expired
Halogenated Activated Carbon Compositions and Methods Of Making And Using Same	US	14/922,829	10/26/2015			Pending
Halogenated Activated Carbon Compositions And Methods Of Making And Using Same	PCT	PCT/US15/37370	10/26/2015			Pending