

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6012379

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	BIOGENIC REAGENTS, LLC	06/13/2015
RECEIVING PARTY DATA		
Name:	BIOGENIC REAGENTS VENTURES, LLC	
Street Address:	133 1ST AVENUE NORTH	
City:	MINNEAPOLIS	
State/Country:	MINNESOTA	
Postal Code:	55401	
PROPERTY NUMBERS Total: 3		
Property Type	Number	
Application Number:	15697659	
Application Number:	16199705	
Application Number:	16574544	
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 98111-1247	
ATTORNEY DOCKET NUMBER:	126267	
NAME OF SUBMITTER:	DENISE WILSON	
SIGNATURE:	/denise wilson/	
DATE SIGNED:	03/13/2020	
Total Attachments: 5		
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PATENT ASSIGNMENT AGREEMENT

WHEREAS, Biogenic Reagents, LLC, a corporation organized and existing under the laws of the Delaware, and having an office at 133 1st Ave N, Minneapolis, MN 55401 (referred to hereinafter as an "Assignor") owns, by assignment, all right, title, and interest in the Patents and Patent Applications listed on Exhibit "A" attached hereto ("Patents"), and any inventions disclosed or claimed therein ("Inventions"); and

Biogenic Reagents Ventures, LLC Signed: [Signature] Initial: JM Date: 3/9/16

WHEREAS, Biogenic Reagent Ventures, LLC, a corporation organized and existing under the laws of Delaware, and having an office at 133 1st Ave N, Minneapolis, MN 55401, together with any successors, assigns and legal representatives thereof (hereinafter, called the "Assignee") is desirous of acquiring the entire right, title and interest, for all countries, in and to said Patents and Inventions.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, Assignor hereby sells, assigns, transfers and conveys unto Assignee the entire right, title and interest of such Assignor in and to said Patents and Inventions and any other patent application directed to the Patents and Inventions, and all divisions, renewals, continuations and continuations-in-part thereof, and any 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 may be filed, and which may be granted, upon said Patents and Inventions in any countries or regions foreign to the United States, and all reissues, renewals and extensions thereof; and Assignor hereby authorizes and requests the Commissioner for Patents and Trademarks of the United States, and all officials of countries or regions foreign to the United States having authority so to do, to issue all such Letters Patent or other grants of protection upon said Patents and Inventions to the Assignee or to such nominees as it may designate;

AND Assignor hereby authorizes and empowers the Assignee or nominees to invoke and claim for any application for such Letters Patent or other grants of protection for said Patents and Inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by a convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from such Assignor;

AND Assignor hereby transfers and conveys, and hereby sets over unto Assignee, its successors, assigns and legal representatives, all income, royalties, damages and payments due or payable to Assignor as of the execution of this Assignment or thereafter, including, but not limited to, all claims for damages by reason of past, present or future infringement or other unauthorized use of the inventions, patent applications or patents assigned hereunder, together with the right to sue for, and collect the same;

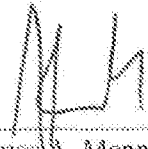
AND Assignor hereby consents that a copy of this Assignment shall be deemed a full and formal equivalent of any assignment, consent to file or like document which may be required in any country or region for any purpose and more particularly in proof of the right of the Assignee or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it;

AND Assignor hereby covenants that such Assignor has the full right to convey the right, title and interest herein assigned and that such Assignor has not executed and will not execute any agreement in conflict herewith;

AND Assignor hereby covenants and agrees that such Assignor will communicate to Assignee or nominees all facts known to such Assignor pertaining to the Patents and Inventions, and testify in all legal proceedings, sign all lawful papers, execute all divisional, continuing, substitute and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid Assignee or nominee in obtaining, maintaining and enforcing all lawful patent or other grants of protection of the Patents and Inventions in any and all countries and regions.

IN TESTIMONY WHEREOF, this Assignment is executed by Assignor on the date opposite the signature of Assignor.

BIOGENIC REAGENTS, LLC

BY: 
James A. Mennell
Chief Executive Officer

Date 13 June 2014

BIOGENIC REAGENT VENTURES, LLC

BY: 
Name: James A. Mennell
Title: CEO

Date 13 Jun 2014

EXHIBIT "A"

Serial No.	Jurisdiction	Filing Date	Title
61/475,973	United States of America	15-Apr-2011	PROCESSES FOR PRODUCING HIGH-CARBON BIOGENIC REAGENTS
US12/33630	Patent Cooperation Treaty	13-Apr-2012	PROCESSES FOR PRODUCING HIGH-CARBON BIOGENIC REAGENTS
BR1120130265531	Brazil	13-Apr-2012	PROCESSES FOR PRODUCING HIGH-CARBON BIOGENIC REAGENTS
2833179	Canada	13-Apr-2012	PROCESSES FOR PRODUCING HIGH-CARBON BIOGENIC REAGENTS
12771449.1	European Patent Convention	13-Apr-2012	PROCESSES FOR PRODUCING HIGH-CARBON BIOGENIC REAGENTS
8964/DELNP/2013	India	13-Apr-2012	PROCESSES FOR PRODUCING HIGH-CARBON BIOGENIC REAGENTS
2014-505366	Japan	13-Apr-2012	PROCESSES FOR PRODUCING HIGH-CARBON BIOGENIC REAGENTS
14/111,226	United States of America	04-Dec-2013	PROCESSES FOR PRODUCING HIGH-CARBON BIOGENIC REAGENTS
61/475,977	United States of America	15-Apr-2011	HIGH CARBON BIOGENIC REAGENT
US12/33627	Patent Cooperation Treaty	13-Apr-2012	METHODS AND APPARATUS FOR ENHANCING THE ENERGY CONTENT OF CARBONACEOUS MATERIALS FROM PYROLYSIS
2833285	Canada	13-Apr-2012	METHODS AND APPARATUS FOR ENHANCING THE ENERGY CONTENT OF CARBONACEOUS MATERIALS FROM PYROLYSIS
2014-505363	Japan	13-Apr-2012	METHODS AND APPARATUS FOR ENHANCING THE ENERGY CONTENT OF CARBONACEOUS MATERIALS FROM PYROLYSIS
14/111,240	United States of America	04-Dec-2013	METHODS AND APPARATUS FOR ENHANCING THE ENERGY CONTENT OF CARBONACEOUS MATERIALS FROM PYROLYSIS
61/475,981	United States of America	15-Apr-2011	SYSTEM FOR PRODUCTION OF BIOGENIC REAGENT
US12/33624	Patent Cooperation Treaty	13-Apr-2012	HIGH-CARBON BIOGENIC REAGENTS AND USES THEREOF
BR1120130264659	Brazil	13-Apr-2012	HIGH-CARBON BIOGENIC REAGENTS AND USES THEREOF
2833284	Canada	13-Apr-2012	HIGH-CARBON BIOGENIC REAGENTS AND USES THEREOF
12771330.3	European Patent Convention	13-Apr-2012	HIGH-CARBON BIOGENIC REAGENTS AND USES THEREOF
8965/DELNP/2013	India	13-Apr-2012	HIGH-CARBON BIOGENIC REAGENTS AND USES THEREOF
2014-505361	Japan	13-Apr-2012	HIGH-CARBON BIOGENIC REAGENTS AND USES THEREOF
13/446,764	United States of America	13-Apr-2012	HIGH-CARBON BIOGENIC REAGENTS AND USES THEREOF
61/475,991	United States of America	15-Apr-2011	MATERIAL ENRICHMENT UNIT

Serial No.	Jurisdiction	Filing Date	Title
US12/33628	Patent Cooperation Treaty	13-Apr-2012	SYSTEMS AND APPARATUS FOR PRODUCTION OF HIGH-CARBON BIOGENIC REAGENTS
2833286	Canada	13-Apr-2012	SYSTEMS AND APPARATUS FOR PRODUCTION OF HIGH-CARBON BIOGENIC REAGENTS
8969/DELNP/2013	India	13-Apr-2012	SYSTEMS AND APPARATUS FOR PRODUCTION OF HIGH-CARBON BIOGENIC REAGENTS
2014-505364	Japan	13-Apr-2012	SYSTEMS AND APPARATUS FOR PRODUCTION OF HIGH-CARBON BIOGENIC REAGENTS
14/111,281	United States of America	04-Dec-2013	SYSTEMS AND APPARATUS FOR PRODUCTION OF HIGH-CARBON BIOGENIC REAGENTS
61/475,996	United States of America	15-Apr-2011	MATERIAL FEED SYSTEM
61/475,930	United States of America	15-Apr-2011	BIOGENIC COAL REPLACEMENT PRODUCT
61/475,937	United States of America	15-Apr-2011	BIOGENIC COKING CARBON PRODUCT
61/475,943	United States of America	15-Apr-2011	BIOGENIC FLUIDIZED BED PRODUCT
61/475,946	United States of America	15-Apr-2011	BIOGENIC STOKER CARBON PRODUCT
61/475,971	United States of America	15-Apr-2011	BIOGENIC FURNACE ADDITION PRODUCT
61/475,949	United States of America	15-Apr-2011	BIOGENIC CARBON BREEZE BLAST FURNACE ADDITION PRODUCT
61/475,956	United States of America	15-Apr-2011	BIOGENIC LADLE ADDITION PRODUCT
61/475,959	United States of America	15-Apr-2011	BIOGENIC CARBON BREEZE TACONITE PELLET ADDITION PRODUCT
61/475,968	United States of America	15-Apr-2011	BIOGENIC INJECTABLE CARBON PRODUCT
61/476,043	United States of America	15-Apr-2011	BIOGENIC PULVERIZED CARBON PRODUCT
61/476,049	United States of America	15-Apr-2011	BIOGENIC CARBON ANODE
61/476,025	United States of America	15-Apr-2011	BIOGENIC MET COKE PRODUCT
12/359,790	United States of America	26-Jan-2009	SWITCH GRASS FUEL OBJECTS WITH HIGH HEAT OUTPUT AND REDUCED AIR EMISSIONS DESIGNED FOR LARGE SCALE POWER GENERATION
13/156,595	United States of America	09-Jun-2011	SWITCH GRASS FUEL OBJECTS WITH HIGH HEAT OUTPUT AND REDUCED AIR EMISSIONS DESIGNED FOR LARGE SCALE POWER GENERATION
13/422,850	United States of America	16-Mar-2012	SWITCH GRASS FUEL OBJECTS WITH HIGH HEAT OUTPUT AND REDUCED AIR EMISSIONS DESIGNED FOR LARGE SCALE POWER GENERATION
13/766,402	United States of America	13-Feb-2013	SWITCH GRASS FUEL OBJECTS WITH HIGH HEAT OUTPUT AND REDUCED AIR EMISSIONS DESIGNED FOR LARGE SCALE POWER GENERATION

Serial No.	Jurisdiction	Filing Date	Title
12/359,766	United States of America	26-Jan-2009	CORN STOVER FUEL OBJECTS WITH HIGH HEAT OUTPUT AND REDUCED EMISSIONS DESIGNED FOR LARGE-SCALE POWER GENERATION
13/074,256	United States of America	29-Mar-2011	CORN STOVER FUEL OBJECTS WITH HIGH HEAT OUTPUT AND REDUCED EMISSIONS DESIGNED FOR LARGE-SCALE POWER GENERATION
13/422,863	United States of America	16-Mar-2012	CORN STOVER FUEL OBJECTS WITH HIGH HEAT OUTPUT AND REDUCED EMISSIONS DESIGNED FOR LARGE-SCALE POWER GENERATION
13/762,785	United States of America	08-Feb-2013	CORN STOVER FUEL OBJECTS WITH HIGH HEAT OUTPUT AND REDUCED EMISSIONS DESIGNED FOR LARGE-SCALE POWER GENERATION
14/054,633	United States of America	15-Oct-2013	CORN STOVER FUEL OBJECTS WITH HIGH HEAT OUTPUT AND REDUCED EMISSIONS DESIGNED FOR LARGE-SCALE POWER GENERATION
61/643,741	United States of America	07-May-2012	BIOGENIC ACTIVATED CARBON AND METHODS OF MAKING AND USING SAME
61/721,827	United States of America	02-Nov-2012	BIOGENIC ACTIVATED CARBON AND METHODS OF MAKING AND USING SAME
61/737,514	United States of America	14-Dec-2012	BIOGENIC ACTIVATED CARBON AND METHODS OF MAKING AND USING SAME
US13/39981	Patent Cooperation Treaty	07-May-2013	BIOGENIC ACTIVATED CARBON AND METHODS OF MAKING AND USING SAME
US13/39986	Patent Cooperation Treaty	07-May-2013	BIOGENIC ACTIVATED CARBON AND METHODS OF MAKING AND USING SAME
US13/39991	Patent Cooperation Treaty	07-May-2013	BIOGENIC ACTIVATED CARBON AND METHODS OF MAKING AND USING SAME
61/895,381	United States of America	24-Oct-2013	METHODS AND APPARATUS FOR PRODUCING ACTIVATED CARBON FROM BIOMASS THROUGH CARBONIZED ASH INTERMEDIATES
61/928,100	United States of America	16-Jan-2014	CARBON MICRO-PLANT
61/943,565	United States of America	24-Feb-2014	HIGHLY MESOPOROUS ACTIVATED CARBON