

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6969629

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	CHARLES AGEE ATKINS	10/08/2021
RECEIVING PARTY DATA		
Name:	CARBON HOLDINGS INTELLECTUAL PROPERTIES, LLC	
Street Address:	1101 SUGARVIEW DRIVE	
Internal Address:	SUITE 201	
City:	SHERIDAN	
State/Country:	WYOMING	
Postal Code:	82801	
PROPERTY NUMBERS Total: 36		
Property Type	Number	
Application Number:	62980940	
Application Number:	17184495	
PCT Number:	US2021019495	
Application Number:	62821331	
Application Number:	16826069	
PCT Number:	US2020024039	
Application Number:	62821777	
Application Number:	16827464	
PCT Number:	US2020024297	
Application Number:	62821814	
Application Number:	16827346	
Application Number:	62822206	
PCT Number:	US2020024282	
Application Number:	16827615	
PCT Number:	US2020024334	
Application Number:	63018302	
Application Number:	17246312	
PCT Number:	US2021030290	
Application Number:	63031725	

PATENT

Property Type	Number
Application Number:	17336092
PCT Number:	US2021035286
Application Number:	63031748
Application Number:	17334480
PCT Number:	US2021034995
Application Number:	63038554
Application Number:	17347349
PCT Number:	US2021037275
Application Number:	63051255
Application Number:	17374904
PCT Number:	US2021041492
Application Number:	63051234
Application Number:	17374926
PCT Number:	US2021041495
Application Number:	63127891
Application Number:	63166869
Application Number:	63182332

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.

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Address Line 4: SALT LAKE CITY, UTAH 84111

NAME OF SUBMITTER:	NICOLE MCKEAN
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SIGNATURE:	/Nicole McKean/
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DATE SIGNED:	10/14/2021
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Total Attachments: 5

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ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to as "ASSIGNOR" has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

CARBON HOLDINGS INTELLECTUAL PROPERTIES, LLC
1101 Sugarview Drive, Ste. 201
Sheridan, WY 82801
UNITED STATES OF AMERICA

(hereinafter ASSIGNEE) its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to the invention or inventions as set forth in the Patents and/or Patent Applications listed in the attached Appendix A as well as in and to (a) all improvements and modifications of the invention or inventions listed in Appendix A, (b) the application and all other applications for Letters Patent in the United States and countries foreign thereto for the invention or inventions listed in Appendix A and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, continuations in part, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the invention or inventions listed in Appendix A in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, by not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in

ASSIGNMENT – Charles Agee Atkins

and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of Dorsey & Whitney LLP the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of Dorsey & Whitney LLP do not personally represent ASSIGNOR OR ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

Inventor

Charles	Agee	Atkins
<small>(GIVEN NAME)</small>	<small>(MIDDLE INITIAL OR NAME)</small>	<small>FAMILY (OR LAST NAME)</small>
<hr/>		
Charles		
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<small>(MAILING ADDRESS)</small>		
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Signature	DocuSigned by: Charlie Atkins	Date
	<small>979A8B886AE55485</small>	October 8, 2021

APPENDIX A**PATENT ASSIGNMENT FROM CHARLES AGEE ATKINS TO
CARBON HOLDINGS INTELLECTUAL PROPERTIES, LLC**

Patent or Application No.	Country	Issue Date or Filing Date	Patent Title
62/980,940	US	24 February 2020	SYSTEMS AND METHODS FOR THE MANUFACTURE OF HIGH MELTING HYDROCARBONS FROM COAL
17/184,495	US	24 February 2021	SYSTEMS AND METHODS FOR THE MANUFACTURE OF HIGH MELTING HYDROCARBONS FROM COAL
PCT/US2021/019495	PCT	24 February 2021	SYSTEMS AND METHODS FOR THE MANUFACTURE OF HIGH MELTING HYDROCARBONS FROM COAL
62/821,331	US	20 March 2019	USING STIMULUS TO CONVERT COAL TO MESOPHASE PITCH AND CARBON FIBERS
16/826,069	US	20 March 2020	USING STIMULUS TO CONVERT COAL TO MESOPHASE PITCH AND CARBON FIBERS
PCT/US2020/024039	PCT	20 March 2020	USING STIMULUS TO CONVERT COAL TO MESOPHASE PITCH AND CARBON FIBERS
62/821,777	US	21 March 2019	SUPERCRITICAL CO ₂ SOLVATED PROCESS TO CONVERT COAL TO CARBON FIBERS
16/827,464	US	23 March 2020	SUPERCRITICAL CO ₂ SOLVATED PROCESS TO CONVERT COAL TO CARBON FIBERS
PCT/US2020/024297	PCT	23 March 2020	SUPERCRITICAL CO ₂ SOLVATED PROCESS TO CONVERT COAL TO CARBON FIBERS
62/821,814	US	21 March 2019	HIGH-YIELD PITCH SYNTHESIS PROCESS FOR PRODUCING CARBON FIBER
16/827,346	US	23 March 2020	HIGH-YIELD PITCH SYNTHESIS PROCESS FOR PRODUCING CARBON FIBER
PCT/US2020/024282	PCT	23 March 2020	HIGH-YIELD PITCH SYNTHESIS PROCESS FOR PRODUCING CARBON FIBER
62/822,206	US	22 March 2019	COAL-BASED GRAPHENE BIOSENSORS
16/827,615	US	23 March 2020	COAL-BASED GRAPHENE BIOSENSORS

PCT/US2020/024334	PCT	23 March 2020	COAL-BASED GRAPHENE BIOSENSORS
63/018,302	US	30 April 2020	COAL-BASED GRAPHENE BIOSENSORS
17/246,312	US	30 April 2021	COAL-BASED GRAPHENE BIOSENSORS
PCT/US2021/030290	PCT	30 April 2021	COAL-BASED GRAPHENE BIOSENSORS
63/031,725	US	29 May 2020	SYSTEMS AND METHODS FOR MANUFACTURING LOW-DENSITY CARBON FIBER FROM COAL
17/336,092	US	1 June 2021	SYSTEMS AND METHODS FOR MANUFACTURING LOW-DENSITY CARBON FIBER FROM COAL
PCT/US2021/035286	PCT	1 June 2021	SYSTEMS AND METHODS FOR MANUFACTURING LOW-DENSITY CARBON FIBER FROM COAL
63/031,748	US	29 May 2020	CARBON FOAM, SYSTEMS AND METHODS FOR FORMING THE SAME
17/334,480	US	28 May 2021	CARBON FOAM, SYSTEMS AND METHODS FOR FORMING THE SAME
PCT/US2021/034995	PCT	28 May 2021	CARBON FOAM, SYSTEMS AND METHODS FOR FORMING THE SAME
63/038,554	US	12 June 2020	SYSTEMS AND METHODS FOR PROCESSING COAL FOR USE IN A DIRECT AIR CAPTURE SYSTEM
17/347,349	US	14 June 2021	SYSTEMS AND METHODS FOR PROCESSING COAL FOR USE IN A DIRECT AIR CAPTURE SYSTEM
PCT/US2021/037275	PCT	14 June 2021	SYSTEMS AND METHODS FOR PROCESSING COAL FOR USE IN A DIRECT AIR CAPTURE SYSTEM
63/051,255	US	13 July 2020	SYSTEMS AND METHODS FOR MANUFACTURING CARBON FIBER FROM COAL
17/374,904	US	13 July 2021	SYSTEMS AND METHODS FOR MANUFACTURING CARBON FIBER FROM COAL
PCT/US2021/041492	PCT	13 July 2021	SYSTEMS AND METHODS FOR MANUFACTURING CARBON FIBER FROM COAL
63/051,234	US	13 July 2020	CARBON FOAM, SYSTEMS AND METHODS FOR FORMING THE SAME
17/374,926	US	13 July 2021	CARBON FOAM, SYSTEMS AND METHODS FOR FORMING THE SAME
PCT/US2021/041495	PCT	13 July 2021	CARBON FOAM, SYSTEMS AND

			METHODS FOR FORMING THE SAME
63/127,891	US	18 December 2020	INTEGRATED SYSTEMS AND METHODS FOR GASIFICATION AND PROCESSING OF COAL
63/166,869	US	26 March 2021	METHOD AND APPARATUS FOR PRODUCTION OF ELECTROCHEMICAL GRAPHITE
63/182,332	US	30 April 2021	HYBRID METHOD FOR CARBON CAPTURE
17/326,530	US	21 May 2021	METHODS FOR PRODUCING ADVANCED CARBON MATERIALS FROM COAL
17/397,837	US	9 August 2021	METHODS FOR FORMING RESINS AND OTHER BYPRODUCTS FROM RAW COAL
17/397,872	US	9 August 2021	METHODS FOR PRODUCING CARBON FIBER FROM COAL
17/447,324	US	10 September 2021	SYSTEMS FOR PRODUCING ADVANCED CARBON MATERIALS AT CARBON SOURCE LOCATION