

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

Assignment ID: PATI833468

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	LICENSE
CONVEYING PARTY DATA	
Name	Execution Date
Carbon Technology Holdings, LLC	06/21/2022
RECEIVING PARTY DATA	
Company Name:	SDI Biocarbon Solutions, LLC
Street Address:	4720 Artesia Road
City:	Columbus
State/Country:	MISSISSIPPI
Postal Code:	39701
PROPERTY NUMBERS Total: 50	
Property Type	Number
PCT Number:	US1233628
Application Number:	61475973
Application Number:	14111226
Application Number:	15180650
Application Number:	16199653
Application Number:	17205605
Application Number:	61475977
Application Number:	14111240
Application Number:	15802716
Application Number:	16840813
Application Number:	61475981
Application Number:	13446764
Application Number:	14548874
Application Number:	15654262
Application Number:	17314759
Application Number:	61475991
Application Number:	14111281
Application Number:	15180763
Application Number:	16199705
Application Number:	17247362

Property Type	Number
Application Number:	61475930
Application Number:	61475937
Application Number:	61475971
Application Number:	61475949
Application Number:	61475956
Application Number:	61475959
Application Number:	61475968
Application Number:	61476025
Application Number:	61928100
Application Number:	14599020
Application Number:	14599058
Application Number:	14599089
Application Number:	15658050
Application Number:	17060293
Application Number:	12347845
Application Number:	14286261
Application Number:	14873053
Application Number:	15156256
Application Number:	15213122
Application Number:	15393176
Application Number:	15423563
Application Number:	15474709
Application Number:	15792486
Application Number:	16035177
Application Number:	16406986
Application Number:	16422955
Application Number:	16953690
Application Number:	63139875
Application Number:	63151026
Application Number:	63180240

CORRESPONDENCE DATA

Fax Number: 2604238920

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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Correspondent Name: Jodie Frecker

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Address Line 4: Fort Wayne, INDIANA 46802

ATTORNEY DOCKET NUMBER:	57334.03
NAME OF SUBMITTER:	JODIE FRECKER
SIGNATURE:	/JODIE FRECKER/
DATE SIGNED:	02/19/2025
Total Attachments: 4 source=Patent License Agreement#page1.tiff source=Patent License Agreement#page2.tiff source=Patent License Agreement#page3.tiff source=Patent License Agreement#page4.tiff	

NOTICE OF PATENT AND KNOW-HOW LICENSE AGREEMENT

THIS NOTICE OF PATENT AND KNOW-HOW LICENSE AGREEMENT is intended to provide notice to all potentially interested persons, entities and parties of the Patent and Know-How License Agreement entered into by and between Carbon Technology Holdings, LLC, a Delaware limited liability company, ("**Licensor**"), and SDI Biocarbon Solutions, LLC, a Delaware limited liability company ("**Licensee**") as of the 21st day of June 2022, as amended by a First Amendment to Patent and Know-How License Agreement made effective as of June 19, 2023, and as further amended by a Second Amendment to Patent and Know-How License Agreement made effective as of February 1, 2024 (collectively the "**License Agreement**") wherein:

1. Licensor, in consideration of the covenants, terms, and conditions contained in the License Agreement, did grant to Licensee, a non-exclusive, non-transferable, non-sublicensable, royalty bearing license under the patents and patent applications listed in Schedule 1 attached hereto, all patents issuing from the patent applications listed in Schedule 1, and all continuations, continuations-in-part, divisions, extensions, substitutions, reissues, re-examinations, and renewals of any of the foregoing, and any patents issuing from any applications that claim priority to any of the patents or patent applications identified in Schedule 1, and all patents that may be obtained by Licensor on improvements to any of the patents or patent applications identified in Schedule 1 (the "**Licensed Patents**").

2. The term of the License Agreement commenced on June 21, 2022, and will continue for so long as the Amended and Restated Limited Liability Company Agreement dated June 19, 2023 between Aymium-Mississippi, LLC ("AMLLC") and STLD Holdings, Inc. ("STLD") are each Members in a joint venture known as SDI Biocarbon Solutions, LLC.

3. Although this Notice of Patent and Know-How License Agreement does not include all of the terms and provisions of the License Agreement, constructive knowledge of all such terms and provisions is provided hereby and any person, entity or party interested in the Licensed Patents shall be deemed to have actual knowledge thereof and the duty to inquire regarding the specific terms and conditions of the License Agreement. Nothing contained herein shall be deemed to amend or modify the License Agreement in any way whatsoever and, in the event of any inconsistency between the terms of the License Agreement and this Notice of Patent and Know-How License Agreement, the terms and provisions of the License Agreement shall supersede and control.

4. This Notice of Patent and Know-How License Agreement is subject to the License Agreement and any amendments, modifications, alterations, renewals, and extensions of the License Agreement. The terms and provisions of the License Agreement are incorporated in this Notice of Patent and Know-How License Agreement by reference.

SDI Biocarbon Solutions, LLC,
a Delaware limited liability company (Licensee)

By: 

Name: Richard A. Poinatte

Its: Senior Vice President and Treasurer

SCHEDULE 1

LICENSED PATENTS

Application No.	Filing Date	Patent No.	Grant Date	Title
61/475,973	2011-04-15	NA	NA	PROCESS FOR PRODUCING A HIGH CARBON BIOGENIC REAGENT
14/111,226	2013-12-04	9,388,355	2016-07-12	PROCESS FOR PRODUCING HIGH-CARBON BIOGENIC REAGENTS
15/180,650	2016-06-13	10,174,267	2019-01-08	PROCESS FOR PRODUCING HIGH-CARBON BIOGENIC REAGENTS
16/199,653	2018-11-26	10,982,161	2021-04-20	PROCESS FOR PRODUCING HIGH-CARBON BIOGENIC REAGENTS
17/205,605	2021-03-18	NA	NA	PROCESS FOR PRODUCING HIGH-CARBON BIOGENIC REAGENTS
61/475,977	2011-04-15	NA	NA	HIGH CARBON BIOGENIC REAGENT
14/111,240	2013-12-04	9,845,440	2017-12-19	METHODS AND APPARATUS FOR ENHANCING THE ENERGY CONTENT OF CARBONACEOUS MATERIALS FROM PYROLYSIS
15/802,716	2017-11-03	10,611,977	2020-04-07	METHODS AND APPARATUS FOR ENHANCING THE ENERGY CONTENT OF CARBONACEOUS MATERIALS FROM PYROLYSIS
16/840,813	2020-04-06	NA	NA	METHODS AND APPARATUS FOR ENHANCING THE ENERGY CONTENT OF CARBONACEOUS MATERIALS FROM PYROLYSIS
61/475,981	2011-04-15	NA	NA	SYSTEM FOR PRODUCTION OF BIOGENIC REAGENT
13/446,764	2012-04-13	8,920,525	2014-12-30	HIGH-CARBON BIOGENIC REAGENTS AND USES THEREOF
14/548,874	2014-11-20	9,752,090	2017-09-05	HIGH-CARBON BIOGENIC REAGENTS AND USES THEREOF
15/654,262	2017-07-19	NA	NA	HIGH-CARBON BIOGENIC REAGENTS AND USES THEREOF
17/314,759	2021-05-07	NA	NA	HIGH-CARBON BIOGENIC REAGENTS AND USES THEREOF

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61/475,991	2011-04-15	NA	NA	MATERIAL ENRICHMENT UNIT
14/111,281	2013-12-04	9,388,046	2016-07-12	SYSTEMS AND APPARATUS FOR PRODUCTION OF HIGH-CARBON BIOGENIC REAGENTS
15/180,763	2016-06-13	10,167,437	2019-01-01	SYSTEMS AND APPARATUS FOR PRODUCTION OF HIGH-CARBON BIOGENIC REAGENTS
16/199,705	2018-11-26	10,889,775	2021-01-12	SYSTEMS AND APPARATUS FOR PRODUCTION OF HIGH-CARBON BIOGENIC REAGENTS
17/247,362	2020-12-09	NA	NA	SYSTEMS AND APPARATUS FOR PRODUCTION OF HIGH-CARBON BIOGENIC REAGENTS
PCT/US12/33628	2012-04-13	NA	NA	SYSTEMS AND APPARATUS FOR PRODUCTION OF HIGH-CARBON BIOGENIC REAGENTS
61/475,930	2011-04-15	NA	NA	BIOGENIC COAL REPLACEMENT PRODUCT
61/475,937	2011-04-15	NA	NA	BIOGENIC COKING CARBON PRODUCT
61/475,971	2011-04-15	NA	NA	BIOGENIC FURNACE ADDITION PRODUCT
61/475,949	2011-04-15	NA	NA	BIOGENIC CARBON BREEZE BLAST FURNACE ADDITION PRODUCT
61/475,956	2011-04-15	NA	NA	BIOGENIC LADLE ADDITION PRODUCT
61/475,959	2011-04-15	NA	NA	BIOGENIC CARBON BREEZE TACONITE PELLET ADDITION PRODUCT
61/475,968	2011-04-15	NA	NA	BIOGENIC INJECTABLE CARBON PRODUCT
61/476,025	2011-04-15	NA	NA	BIOGENIC MET COKE PRODUCT
61/928,100	2014-01-16	NA	NA	CARBON MICRO-PLANT
14/599,020	2014-01-16	9,475,031	2016-10-25	CARBON MICRO-PLANT
14/599,058	2014-01-16	NA	NA	CARBON MICRO-PLANT
14/599,089	2014-01-16	9,724,667	2017-08-08	CARBON MICRO-PLANT
15/658,050	2014-01-16	NA	NA	CARBON MICRO-PLANT
17/060,293	2014-01-16	NA	NA	CARBON MICRO-PLANT
12/347,845	2008-12-31	8,197,573	2012-06-12	METHOD AND APPARATUS FOR DEPOSITING AGENTS UPON AND WITHIN BIO-CHAR
14/286,261	2014-05-23	9,527,780	2016-12-27	ENHANCING BIOCHAR PERFORMANCE USING PYROLYSIS ACID STREAM
14/873,053	2015-10-01	10,252,951	2019-04-09	BIOCHARS AND BIOCHAR TREATMENT PROCESSES
15/156,256	2016-05-16	9,809,502	2017-11-07	ENHANCED BIOCHAR
15/213,122	2016-07-18	10,023,503	2018-07-17	BIOCHARS AND BIOCHAR TREATMENT PROCESSES
15/393,176	2016-12-28	10,118,870	2018-11-06	ADDITIVE INFUSED BIOCHAR

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15/423,563	2017-02-02	10,322,389	2019-06-18	BIOCHAR AGGREGATE PARTICLES
15/474,709	2017-03-30	10,106,471	2018-10-23	BIOCHARS AND BIOCHAR TREATMENT PROCESSES
15/792,486	2017-10-24	10,301,228	2019-05-28	ENHANCED BIOCHAR
16/035,177	2018-07-13	10,556,838	2020-02-11	BIOCHARS AND BIOCHAR TREATMENT PROCESSES
16/406,986	2019-05-08	NA	NA	ENHANCED BIOCHAR
16/422,955	2019-05-24	10,864,492	2020-12-15	METHOD FOR PRODUCING BIOCHAR AGGREGATE PARTICLES
16/953,690	2020-11-20	NA	NA	METHOD FOR PRODUCING BIOCHAR AGGREGATE PARTICLES
63/139,875	2021-01-21	NA	NA	BIOCARBON PELLETS WITH ADJUSTABLE GRINDABILITY INDEX
63/151,026	2021-02-18	NA	NA	CARBON-NEGATIVE METALLURGICAL PRODUCTS
63/180,240	2021-04-27	NA	NA	BIOCARBON BLENDS WITH OPTIMIZED FIXED CARBON CONTENT, AND METHODS FOR MAKING AND USING THE SAME

PATENT

REEL: 070255 FRAME: 0812

Schedule 1 to Patent and Know-How License Agreement

RECORDED: 02/19/2025