

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5152805

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST
CONVEYING PARTY DATA	
Name	Execution Date
SCB INTERNATIONAL HOLDINGS, LLC	09/21/2018
RECEIVING PARTY DATA	
Name:	BANK OF AMERICA, N.A., AS ADMINISTRATIVE AGENT
Street Address:	414 UNION STREET
City:	NASHVILLE
State/Country:	TENNESSEE
Postal Code:	37219
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15011019
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ATTORNEY DOCKET NUMBER:	2068279-4001
NAME OF SUBMITTER:	REBECCA CHAFFIN
SIGNATURE:	/s/ Rebecca Chaffin
DATE SIGNED:	09/21/2018
Total Attachments: 5	
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NOTICE OF GRANT OF SECURITY INTEREST IN PATENTS

United States Patent and Trademark Office

Ladies and Gentlemen:

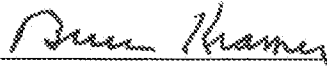
Please be advised that pursuant to the Security Agreement dated as of September 21, 2018 (as amended, modified, extended, restated, renewed, replaced, or supplemented from time to time, the "Agreement") by and among the Grantors party thereto (each a "Grantor" and collectively, the "Grantors") and Bank of America, N.A., as administrative agent (the "Administrative Agent") for the Secured Parties referenced therein, the undersigned Grantors have granted a continuing security interest in and continuing lien upon the patents and patent applications shown on Schedule 1 attached hereto to the Administrative Agent for the ratable benefit of the Secured Parties.

The undersigned Grantors and the Administrative Agent, on behalf of the Secured Parties, hereby acknowledge and agree that the security interest in the foregoing patents and patent applications (a) may only be terminated in accordance with the terms of the Agreement and (b) is not to be construed as an assignment of any patent or patent application.

[Signature pages follow]

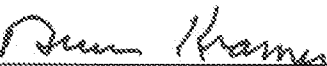
Very truly yours,

CHARAH, LLC, a Kentucky limited liability company

By: 
Name: Bruce Kramer
Title: Chief Financial Officer & Treasurer

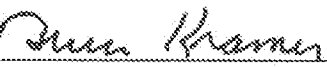
**MERCURY CAPTURE INTELLECTUAL
PROPERTY, LLC**, a Delaware limited liability
company

By: Charah, LLC, its sole manager

By: 
Name: Bruce Kramer
Title: Chief Financial Officer & Treasurer

SCB INTERNATIONAL HOLDINGS, LLC, a
Delaware limited liability company

By: Charah, LLC, its sole member and sole manager

By: 
Name: Bruce Kramer
Title: Chief Financial Officer & Treasurer

Acknowledged and Accepted:

BANK OF AMERICA, N.A.,
as Administrative Agent

By: 

Name: Charlene Wright-Jones

Title: Vice President

Charah Solutions, Inc.
Notice of Grant of Security Interest in Patents
Signature Page

PATENT
REEL: 046938 FRAME: 0752

Schedule I
U.S. Patents and Patent Applications

Grantor	Title	Patent Number
Charah, LLC	Method and System for Beneficiating Gasification Slag	Patent No. 7,328,805 B2 Publication No. 2005/0051500 A1 Application No. 10/657,730
Charah, LLC	Ash Management Trench	Publication No. 2016-0097173 A1 Application No. 14/813,052 Provisional Application No. 62/030,433
Mercury Capture Intellectual Property, LLC	Activated Carbon and Coal Combustion Residue Treatment System and Method	Patent No. 9,884,311 Publication No. 2015/0038321 A1 Application No. 14/385,285 Provisional Application No. 61/685,240
Mercury Capture Intellectual Property, LLC	Coal Ash Treatment System and Method	Application No. 15/877,732 Publication No. 2018-0154336 Provisional Application No. 61/685,240
Mercury Capture Intellectual Property, LLC	Cement Kiln Dust Treatment System and Method	Patent No. 8,876,967 Publication No. 2012-0272872 A1 Application No. 13/512,125 Provisional Application No. 61/374,745

Grantor	Title	Patent Number
Mercury Capture Intellectual Property, LLC	Cement Kiln Dust Treatment System and Method	Patent No. 9,493,376 Publication No. 2015-0053119 A1 Application No. 14/532,457 Provisional Application No. 61/374,745
Mercury Capture Intellectual Property, LLC	Cement Kiln Dust Treatment System and Method	Patent No. 9,873,636 Publication No. 2012-0272872 A1 Application No. 13/512,125 Provisional Application No. 61/374,745
Mercury Capture Intellectual Property, LLC	Cement Kiln Exhaust Gas Pollution Reduction	Patent No. 9,498,747 Publication No. 2013-0291725 A1 Application No. 13/808,031 Provisional Application Nos. 61/360,980 and 61/373,299
Mercury Capture Intellectual Property, LLC	Cement Kiln Exhaust Gas Pollution Reduction	Publication No. 2017-0065933 A1 Application No. 15/357,261 Provisional Application Nos. 61/360,980 and 61/373,299
Mercury Capture Intellectual Property, LLC	Cement Kiln Exhaust Gas Pollution Reduction	Application No. 16/131,881 Provisional Application Nos. 61/360,980 and 61/373,299
SCB International Holdings, LLC	Cement Kiln Fuel Treatment	Publication No. 2016-0221872 A1 Application No. 15/011,019 Provisional Application No. 62/110,292

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