503080339 12/01/2014 PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		SECURITY AGREEMENT	SECURITY AGREEMENT		
CONVEYING PARTY	' DATA				
		Name		Execution Date	
CO SERVICES OPE	ERATIONS LI	_C		12/01/2014	
	DATA				
Name:	CREDIT AGENT	EDIT SUISSE AG, CAYMAN ISLANDS BRANCH, AS COLLATERAL ENT			
Street Address:	7033 LO	033 LOUIS STEPHENS DRIVE, PO BOX 110047			
City:	RESEAF	CH TRIANGLE PARK			
State/Country:	NORTH	ORTH CAROLINA			
Postal Code:	27709				
Property Typ		Number			
		Number			
Patent Number:	6	818799			
Patent Number:	7	034193			
Patent Number:	6	315975			
Patent Number: 6197		197837			
Patent Number: 6245		245216			
CORRESPONDENCE Fax Number: Correspondence wil		he e-mail address first; if that	t is unsuccessful	it will be sent	
		if that is unsuccessful, it will			
Email:	michael.barys@thomsonreuters.com				
• • • • •					
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Address Line 1:					
Address Line 1: Address Line 2:	С	O CAHILL GORDON & REIND			
Correspondent Nam Address Line 1: Address Line 2: Address Line 4:	С	/O CAHILL GORDON & REIND EW YORK, NEW YORK 10005			
Address Line 1: Address Line 2:	C N				

DATE SIGNED:

Total Attachments: 10

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PATENT SECURITY AGREEMENT

This PATENT SECURITY AGREEMENT is entered into as of December 1, 2014 (this "Agreement"), among Eco Services Operations LLC, a Delaware limited liability company (the "Grantor") and Credit Suisse AG, Cayman Islands Branch ("CS"), as collateral agent (in such capacity, the "Collateral Agent") for the Secured Parties.

Reference is made to that certain Pledge and Security Agreement, dated as of the date hereof (as amended, restated, amended and restated, supplemented or otherwise modified from time to time and in effect on the date hereof, the "Security Agreement"), among the Loan Parties party thereto and the Collateral Agent. The Lenders (as defined below) have extended credit to the Borrower (as defined in Credit Agreement (as defined below)) subject to the terms and conditions set forth in that certain Credit Agreement dated as of the date hereof (as amended, restated, amended and restated, supplemented or otherwise modified and in effect on the date hereof, the "Credit Agreement"), by and among, Eco Services Operations LLC, a Delaware limited liability company ("Borrower"), Eco Services Intermediate Holdings LLC, a Delaware limited liability company, the Lenders from time to time party thereto (the "Lenders") and CS, in its capacities as issuing bank and as administrative agent and collateral agent for the Lenders. Consistent with the requirements set forth in <u>Sections 4.01</u> and <u>5.12</u> of the Credit Agreement and <u>Section 4.03(c)</u> of the Security Agreement, the parties hereto agree as follows:

SECTION 1. *Terms*. Capitalized terms used in this Agreement and not otherwise defined herein have the meanings specified in the Security Agreement.

SECTION 2. *Grant of Security Interest*. As security for the prompt and complete payment or performance, as the case may be, in full of the Secured Obligations, [each][the] Grantor, pursuant to the Security Agreement, did and hereby does pledge, collaterally assign, mortgage, transfer and grant to the Collateral Agent, its successors and permitted assigns, on behalf of and for the ratable benefit of the Secured Parties, a continuing security interest in all right, title or interest in, to or under all of the following assets, whether now owned or at any time hereafter acquired by or arising in favor of such Grantor and regardless of where located (collectively, the "Patent Collateral"):

A. all Patents, including those Patent registrations and pending applications in the United States Patent and Trademark Office listed on <u>Schedule I</u> hereto;

B. the right to sue third parties for past, present and future infringements of any Patent; and

C. all proceeds of and any right associated with the foregoing;

in each case to the extent the foregoing items constitute Collateral.

SECTION 3. Security Agreement. The security interests granted to the Collateral Agent herein are granted in furtherance, and not in limitation of, the security interests granted to the Collateral Agent pursuant to the Security Agreement. The Grantor hereby acknowledges and affirms that the rights and remedies of the Collateral Agent with respect to the Patent Collateral are more fully set forth in the Security Agreement, the terms and provisions of which are hereby incorporated herein by reference as if fully set forth herein. In the event of any conflict between the terms of this Agreement and the Security Agreement, the terms of the Security Agreement shall govern.

SECTION 4. *Governing Law*. This Agreement shall be governed by, and construed in accordance with, the laws of the State of New York.

[Signature Pages Follow]

IN WITNESS WHEREOF, the parties hereto have duly executed this Agreement as of the day and year first above written.

ECO SERVICES OPERATIONS LLC

By: Name: James Harton

Title: Chief Executive Officer

[SIGNATURE PAGE TO PATENT SECURITY AGREEMENT]

	1 7 1
By:	4) Jamo
Name:	JOHN D. TØRONTO
Title:	AUTHORIZED SIGNATORY
• A	
By: U	
Name:	
Name: Title:	WHITNEY GASTON AUTHORIZED SIGNATORY

[SIGNATURE PAGE TO PATENT SECURITY AGREEMENT]

SCHEDULE I

PATENTS

OWNER	PATENT NUMBER	DESCRIPTION
Eco Services Operations LLC	6,818,799	Process for Removing Tar From Spent Acid
Eco Services Operations LLC	7,034,193	Method For Purifying Spent Acid
Eco Services Operations LLC	6,315,975	Suspension System Using Fumed Silica
Eco Services Operations LLC	6,197,837	Method For Fluidizing Tars
Eco Services Operations LLC	6,245,216	Method For Fluidizing Tars

PATENT APPLICATIONS

None.

Schedule I

EXHIBIT A

[FORM OF] PATENT SECURITY AGREEMENT SUPPLEMENT

This PATENT SECURITY AGREEMENT SUPPLEMENT is entered into as of $[\bullet]$ $[\bullet]$, 20[•] (this "Patent Security Agreement Supplement"), among $[\bullet]$ ([each, a][the] "Grantor") and Credit Suisse AG, Cayman Islands Branch ("CS"), as collateral agent (in such capacity, the "Collateral Agent") for the Secured Parties.

Reference is made to that certain Pledge and Security Agreement, dated as of [____], 2014 (as amended, restated, amended and restated, supplemented or otherwise modified from time to time and in effect on the date hereof, the "Security Agreement"), among the Loan Parties party thereto and the Collateral Agent. The Lenders (as defined below) have extended credit to the Borrower (as defined in Credit Agreement (as defined below)) subject to the terms and conditions set forth in that certain Credit Agreement dated as of [], 2014 (as amended, restated, amended and restated, supplemented or otherwise modified and in effect on the date hereof, the "Credit Agreement"), by and among, Eco Services Operations LLC, a Delaware limited liability company ("Borrower"), Eco Services Intermediate Holdings LLC, a Delaware limited liability company, the Lenders from time to time party thereto (the "Lenders") and CS, in its capacities as issuing bank and as administrative agent and collateral agent for the Lenders. Consistent with the requirements set forth in Sections 4.01 and 5.12 of the Credit Agreement, the [Grantor][Grantors] and the Collateral Agent have entered into that certain Patent Security Agreement, dated as of [•] [•], 20[•] (as amended, restated, amended and restated, supplemented or otherwise modified from time to time and in effect on the date hereof, the "Patent Security Agreement"). Under the terms of the Security Agreement, the Grantor has granted to the Collateral Agent for the benefit of the Secured Parties as security interest in the Additional Patent Collateral (as defined below) and have agreed, consistent with the requirements of Section 4.03(c) of the Security Agreement, to execute this Patent Security Agreement Supplement. Now, therefore, the parties hereto agree as follows:

SECTION 1. *Terms*. Capitalized terms used in this Patent Security Agreement Supplement and not otherwise defined herein have the meanings specified in the Security Agreement.

SECTION 2. *Grant of Security Interest*. As security for the prompt and complete payment or performance, as the case may be, in full of the Secured Obligations, [each][the] Grantor, pursuant to the Security Agreement, did and hereby does pledge, collaterally assign, mortgage, transfer and grant to the Collateral Agent, its successors and permitted assigns, on behalf of and for the ratable benefit of the Secured Parties, a continuing security interest in all right, title or interest in, to or under all of the following assets, whether now owned or at any time hereafter acquired by or arising in favor of [such][the] Grantor and regardless of where located (collectively, the "Additional Patent Collateral"):

A. the Patent registrations and pending applications in the United States Patent and Trademark Office listed on <u>Schedule I</u> hereto;

B. the right to sue third parties for past, present and future infringements of such Patent registrations and pending applications; and

C. all proceeds of and any right associated with the foregoing;

in each case to the extent the foregoing items constitute Collateral.

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Exhibit A

SECTION 3. Security Agreement. The security interests granted to the Collateral Agent herein are granted in furtherance, and not in limitation of, the security interests granted to the Collateral Agent pursuant to the Security Agreement. [Each][The] Grantor hereby acknowledges and affirms that the rights and remedies of the Collateral Agent with respect to the Additional Patent Collateral are more fully set forth in the Security Agreement, the terms and provisions of which are hereby incorporated herein by reference as if fully set forth herein. In the event of any conflict between the terms of this Patent Security Agreement shall govern.

SECTION 4. *Governing Law*. This Agreement shall be governed by, and construed in accordance with, the laws of the State of New York.

[Signature Pages Follow]

Exhibit A

IN WITNESS WHEREOF, the parties hereto have duly executed this Patent Security Agreement Supplement as of the day and year first above written.

[•]



CREDIT SUISSE AG, CAYMAN ISLANDS BRANCH, as Collateral Agent

By:_____

Name: [•] Title: [•]

By:_____

Name: [•] Title: [•]

Exhibit A

<u>SCHEDULE I</u>

PATENTS

REGISTERED OWNER	SERIAL NUMBER	DESCRIPTION

PATENT APPLICATIONS

APPLICANT	APPLICATION NO.	DESCRIPTION

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RECORDED: 12/01/2014

Exhibit A