

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4326833

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	PARTIAL RELEASE OF SECURITY INTEREST
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DEUTSCHE BANK AG NEW YORK BRANCH	03/17/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ADVANCED DISPOSAL SERVICES RENEWABLE ENERGY, LLC (F/K/A SUSTAINABLE ENERGY SOLUTIONS, LLC)
<b>Street Address:</b>	90 FORT WADE ROAD
<b>Internal Address:</b>	SUITE 200
<b>City:</b>	PONTE VEDRA
<b>State/Country:</b>	FLORIDA
<b>Postal Code:</b>	32081
<b>PROPERTY NUMBERS Total: 8</b>	
<b>Property Type</b>	<b>Number</b>
Patent Number:	9250012
Patent Number:	9410736
Patent Number:	8963347
Patent Number:	8764885
Patent Number:	8715401
Patent Number:	8646538
Application Number:	12745193
Application Number:	13482980
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(800)914-4240
<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>	
<b>Phone:</b>	614 280-3562
<b>Email:</b>	ted.mulligan@wolterskluwer.com
<b>Correspondent Name:</b>	TED MULLIGAN
<b>Address Line 1:</b>	4400 EASTON COMMONS WAY
<b>Address Line 2:</b>	SUITE 125
<b>Address Line 4:</b>	COLUMBUS, OHIO 43219
<b>ATTORNEY DOCKET NUMBER:</b>	58090901

<b>NAME OF SUBMITTER:</b>	TED MULLIGAN
<b>SIGNATURE:</b>	/tedmulligan/
<b>DATE SIGNED:</b>	03/20/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 5</b> source=ADS - Partial Release of Security Interest in Patents (executed)#page1.tif source=ADS - Partial Release of Security Interest in Patents (executed)#page2.tif source=ADS - Partial Release of Security Interest in Patents (executed)#page3.tif source=ADS - Partial Release of Security Interest in Patents (executed)#page4.tif source=ADS - Partial Release of Security Interest in Patents (executed)#page5.tif	

RECORDATION FORM COVER SHEET  
**PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

Deutsche Bank AG New York Branch

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) March 17, 2017

- ☐ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☒ Other Partial Release of Security Interest

**2. Name and address of receiving party(ies)**

Advanced Disposal Services Renewable Energy, LLC  
Name: (f/k/a Sustainable Energy Solutions, LLC)

Internal Address: \_\_\_\_\_

Street Address: 90 Fort Wade Road, Suite 200

City: Ponte Vedra

State: FL

Country: USA Zip: 32081

Additional name(s) & address(es) attached? ☐ Yes ☒ No

**4. Application or patent number(s):**

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

See Schedule 1

B. Patent No.(s)

See Schedule 1

Additional numbers attached? ☒ Yes ☐ No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Elaine Carrera, Legal Assistant

Internal Address: \_\_\_\_\_

Street Address: c/o Cahill Gordon & Reindel LLP

80 Pine Street

City: New York

State: NY Zip: 10005

Phone Number: (212) 701-3365

Docket Number: \_\_\_\_\_

Email Address: ecarrera@cahill.com

**6. Total number of applications and patents involved: 8**

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ \_\_\_\_\_**

- ☐ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

Deposit Account Number \_\_\_\_\_

Authorized User Name \_\_\_\_\_

**9. Signature:**

Elaine Carrera  
Signature

March 20, 2017

Date

Elaine Carrera

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

5

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

**PARTIAL RELEASE OF SECURITY INTEREST IN PATENTS**

This PARTIAL RELEASE OF SECURITY INTEREST IN PATENTS (this “Partial Release”), dated as of March 17, 2017 (the “Effective Date”), is made by Deutsche Bank AG New York Branch, in its capacity as Collateral Agent (the “Agent”), in favor of the grantor party identified on the signature page hereto (the “Grantor”).

WHEREAS, pursuant to that certain Amended and Restated Guarantee and Collateral Agreement, dated as of November 10, 2016, by and among the Agent, the Grantor and certain other parties thereto (as amended, amended and restated, or otherwise modified from time to time, the “Guarantee and Collateral Agreement”), the Grantor granted to the Agent, in its capacity as Agent, a security interest in and to certain collateral;

WHEREAS, pursuant to the Guarantee and Collateral Agreement, the Grantor executed and delivered a Patent Security Agreement, dated as of November 10, 2016 (the “Patent Security Agreement”), for recordal with the United States Patent and Trademark Office;

WHEREAS, the Patent Security Agreement was recorded with the United States Patent and Trademark Office on November 10, 2016 at Reel/Frame 040588/0962;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Agent hereby agrees as follows:

1. Defined Terms. All capitalized terms used, but not otherwise defined herein, shall have the respective meanings ascribed in or otherwise referenced in the Guarantee and Collateral Agreement or the Patent Security Agreement, as applicable.

2. Release. The Agent, without representation or warranty of any kind, hereby releases, discharges, terminates and cancels all of its security interest in and to the Patent Collateral, including the patents and patent applications set forth Schedule 1 attached hereto, arising under the Guarantee and Collateral Agreement and the Patent Security Agreement. If and to the extent that the Agent has acquired any right, title or interest in and to the Patent Collateral under the Patent Security Agreement, the Agent, without representation or warranty of any kind, hereby re-transfers, re-conveys and re-assigns such right, title or interest to the Grantor.

3. Termination. The Agent, without representation or warranty of any kind, terminates and cancels the Patent Security Agreement.

4. Further Assurances. The Agent agrees to take all further actions, and provide to the Grantor and its successors, assigns or other legal representatives, all such cooperation and assistance (including, without limitation, the execution and delivery of any and all documents or other instruments), reasonably requested by the Grantor, at the Grantor’s sole cost and expense, to more fully and effectively effectuate the purposes of this Partial Release.

5. Governing Law. This Partial Release shall be governed exclusively under the laws of New York, without regard to conflicts of law or choice of law principles.

IN WITNESS WHEREOF, the Agent has caused this Partial Release to be executed by its duly authorized representative as of the Effective Date:

**DEUTSCHE BANK AG NEW YORK  
BRANCH, acting in its capacity as Collateral  
Agent for the Lenders**

By:  \_\_\_\_\_

Name: Marcus Tarkington  
Title: Director

By:  \_\_\_\_\_

Name: Dusan Lazarov  
Title: Director

[Release of Security Interest in Patents]

**PATENT  
REEL: 041653 FRAME: 0341**

GRANTORS:

ADVANCED DISPOSAL SERVICES  
RENEWABLE ENERGY, LLC

By: 

Name: Jeffrey C. Everett

Title: Vice President & Associate General Counsel

[Release of Security Interest in Patents]

PATENT  
REEL: 041653 FRAME: 0342

**Schedule 1  
to Partial Release of  
Security Interest  
in Patents**

**ADVANCED DISPOSAL SERVICES RENEWABLE ENERGY, LLC**

**PATENTS AND DESIGN PATENTS**

<b>Patent No.</b>	<b>Issued</b>	<b>Country</b>	<b>Title</b>
9250012	02/02/2016	US	Methods and systems for separating condensable vapors from gases
9410736	08/09/2016	US	Systems and methods for integrated energy storage and cryogenic carbon capture
8963347	02/4/2015	US	Methods and systems for generating power from a turbine using pressurized nitrogen
8764885	07/01/2014	US	Systems and methods for separating condensable vapors from gases by direct-contact heat exchange
8715401	05/06/2014	US	Methods and systems for separating condensable vapors from gases
8646538	02/11/2014	US	Methods and systems for separating condensable vapors from gases

**PATENT APPLICATIONS**

<b>Serial No.</b>	<b>Filing Date</b>	<b>Country</b>	<b>Filing Title</b>
12745193	10/08/2010	US	Carbon dioxide capture from flue gas
13482980	05/29/2012	US	Systems and methods for separating condensable vapors from light gases or liquids by recuperative cryogenic processes

**PATENT LICENSES**

<b>Name of Agreement</b>	<b>Parties Licensor/Licensee</b>	<b>Date of Agreement</b>	<b>Subject Matter</b>