

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Paula A. Calabrese</td> <td>09/04/2009</td> </tr> <tr> <td>Dingrong Bai</td> <td>09/03/2009</td> </tr> </tbody> </table>		Name	Execution Date	Paula A. Calabrese	09/04/2009	Dingrong Bai	09/03/2009						
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<table border="1"> <tr> <td>Name:</td> <td>Casella Waste Systems, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>25 Greens Hill Lane</td> </tr> <tr> <td>Internal Address:</td> <td>P.O. Box 866</td> </tr> <tr> <td>City:</td> <td>Rutland</td> </tr> <tr> <td>State/Country:</td> <td>VERMONT</td> </tr> <tr> <td>Postal Code:</td> <td>05701-0866</td> </tr> </table>		Name:	Casella Waste Systems, Inc.	Street Address:	25 Greens Hill Lane	Internal Address:	P.O. Box 866	City:	Rutland	State/Country:	VERMONT	Postal Code:	05701-0866
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CORRESPONDENCE DATA													
Fax Number: 2028427899 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 7034568000 Email: khodgson@cooley.com Correspondent Name: Cooley LLP Address Line 1: 1299 Pennsylvania Avenue, NW Address Line 2: Suite 700 Address Line 4: Washington, DISTRICT OF COLUMBIA 20004													
ATTORNEY DOCKET NUMBER:	RECM-012/03US 314670-2150												
NAME OF SUBMITTER:	Sandhya Deo												
Signature:	/Sandhya Deo/												

Date:

05/20/2013

Total Attachments: 4

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ASSIGNMENT

WHEREAS, we, **Paula A. Calabrese**, being a citizen of the U.S. and residing at 25 Greens Hill Lane, Rutland, Vermont 05701 and **Dingrong Bai**, being a citizen of Canada, and residing at Woodstock Avenue, Rutland, Vermont 05701 an inventor of certain new and useful inventions and discoveries, for which I have made an application for a United States Patent entitled "**ENGINEERED FUEL FEED STOCK USEFUL FOR DISPLACEMENT OF COAL IN COAL FIRING PLANTS**," also identified as Attorney Docket Number 0105452.00363US2, the specification of which was filed with the U.S. Patent Office on June 25, 2009 and assigned U.S. Patent Application No. 12/492,093.

WHEREAS, **Casella Waste Systems, Inc.** whose business address is 25 Greens Hill Lane, P.O. Box 866, Rutland, Vermont 05701-0866, which, together with its successors and assigns is hereinafter called "ASSIGNEE," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited;

NOW, THEREFORE, for and in consideration of our employment by ASSIGNEE and other valuable consideration furnished by ASSIGNEE to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservations:

1. Assign, transfer, and convey to ASSIGNEE the entire right, title, and interest in and to said inventions and discoveries, said United States Patent Application, any and all other applications for Letters Patent(s) on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part, reexamination and convention applications based in whole, or in part, upon said inventions or discoveries, or upon said United States Patent Application, and any and all Letters Patent(s), reissues, and extensions of Letters Patent(s) granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon, or arise from, said inventions, said discoveries, said applications, and said Letters Patent(s);
2. Authorize ASSIGNEE to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable, under International Conventions or otherwise;
3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments throughout the world to issue or transfer all said Letters Patent(s) to ASSIGNEE, as assignee of the entire right, title, and interest therein or

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otherwise as ASSIGNEE may direct;

4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents, or any license to use the same, or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to ASSIGNEE without encumbrance;

5. Bind our heirs, legal representatives, and assigns, as well as ourselves, to do, upon ASSIGNEE's request and at ASSIGNEE's expense, but without additional consideration to either us or them, all acts reasonably serving to assure that said inventions and discoveries, said patent applications, and said Letters Patent(s) shall be held and enjoyed by ASSIGNEE as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this Assignment had not been made; and particularly to execute and deliver to ASSIGNEE all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by ASSIGNEE; and to communicate to ASSIGNEE all facts known to us relating to said inventions and discoveries or the history thereof, and to testify as to the same in any court or proceeding; and to furnish ASSIGNEE any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives, or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

Assignment Document

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal.

9/4/09
Date

Paula A. Calebrese
Paula A. Calebrese

State of Vermont)
County of Rutland)

On this 4th day of September, 2009, before me, the undersigned notary public, personally appeared, Paula A. Calebrese, who proved to me through satisfactory evidence of identification, to be the person whose name is signed on the preceding or attached document, and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his/her knowledge and belief.

Shelley S. Rogers
Notary Public
My Commission Expires: 2/10/2011

SHELLEY S. ROGERS
NOTARY PUBLIC
STATE OF VERMONT

Assignment Document

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal.

09/03/2009

Date


Dingrong Bai

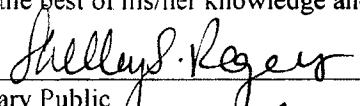
State of

Vermont

County of

Rutland

On this 3rd day of September, 2009, before me, the undersigned notary public, personally appeared, **Dingrong Bai**, who proved to me through satisfactory evidence of identification, to be the person whose name is signed on the preceding or attached document, and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his/her knowledge and belief.


Notary Public

My Commission Expires:

2/10/2011

SHELLEY S. ROGERS
NOTARY PUBLIC
STATE OF VERMONT