

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3452401

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
GREGG T. BECKHAM	07/22/2015
CHRISTOPHER W. JOHNSON	07/22/2015
DEREK R. VARDON	07/22/2015
MARY ANN FRANDEN	07/22/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ALLIANCE FOR SUSTAINABLE ENERGY, LLC
<b>Street Address:</b>	15013 DENVER WEST PARKWAY
<b>City:</b>	GOLDEN
<b>State/Country:</b>	COLORADO
<b>Postal Code:</b>	80401
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14804161
<b>CORRESPONDENCE DATA</b>	
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<b>Phone:</b>	3033847551
<b>Email:</b>	ipdocketing@nrel.gov
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<b>Address Line 1:</b>	15013 DENVER WEST PARKWAY
<b>Address Line 4:</b>	GOLDEN, COLORADO 80401
<b>ATTORNEY DOCKET NUMBER:</b>	NREL 14-04
<b>NAME OF SUBMITTER:</b>	NANCY STOVALL
<b>SIGNATURE:</b>	/Nancy Stovall/
<b>DATE SIGNED:</b>	07/23/2015
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 2</b>	
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**ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63**  
(For Use with Signed Application Data Sheet)

Title of Invention:

**BIOMASS CONVERSION TO FUELS AND CHEMICALS**

This assignment and declaration are directed to (check one):

- ☐ the application identified above by the attorney docket no. and title of invention  
☐ PCT International Application Number \_\_\_\_\_, filed \_\_\_\_\_  
☒ United States Application No. 14/804,161, filed July 20, 2015

**ASSIGNMENT**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a below-named inventor I have sold and assigned, and by these presents hereby sell and assign, unto:

Name of Assignee: **Alliance for Sustainable Energy, LLC**Address of Assignee: **15013 Denver West Parkway, Golden, CO 80401**

(hereinafter ASSIGNEE) all my right, title and interest in and to the above-identified invention in any form or embodiment thereof, in the United States and all foreign countries, including applications for patents in the United States and all countries of the world and through the Patent Cooperation Treaty and/or the European Patent Convention, including any and all applications claiming priority thereto such as divisions or continuations thereof, and in and to any and all patents granted in the United States and all countries of the world that may issue on any such applications or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such patents may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.

I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all Letters Patent of the United States to said ASSIGNEE, its successors, or assigns in accordance herewith.

I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.

I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all patents that may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns, or to assist said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing patents for said invention.

**DECLARATION**

As a below named inventor, I hereby declare that:

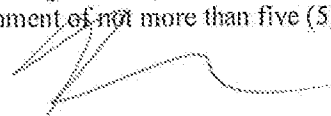
The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Signature:

Inventor:


  
Gregg T. Beckham  
DATE

NREL 14-04

Worldwide Rights

Signature:

Inventor:

  
Christopher W. Johnson

07/22/15  
DATE

Signature:

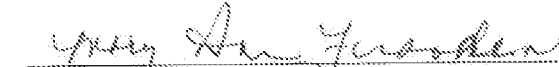
Inventor:

  
Derek R. Vardon

7/22/15  
DATE

Signature:

Inventor:

  
Mary Ann Franden

7/22/15  
DATE