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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PHILIP W. APPEL	09/10/2014
THOMAS D. WEIR	09/10/2014
JACOB M. CULLEY	09/10/2014
TIMOTHY E. FARLEY	09/10/2014
DANIEL A. HOWARD	09/10/2014
SARAH E. LOVE	09/10/2014

RECEIVING PARTY DATA

Name:	AG ENERGY SOLUTIONS, INC.
Street Address:	665 N. RIVERPOINT BLVD, SUITE 344
City:	SPOKANE
State/Country:	WASHINGTON
Postal Code:	99202

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14477746

CORRESPONDENCE DATA

Fax Number: (206)903-8820

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.

Phone: 206-903-8800

Email: ipdocket-se@dorsey.com

DORSEY & WHITNEY LLP - SEATTLE INTELLECT **Correspondent Name:**

Address Line 1: **COLUMBIA CENTER**

Address Line 2: 701 FIFTH AVENUE, SUITE 6100 Address Line 4: SEATTLE, WASHINGTON 98104-7043

ATTORNEY DOCKET NUMBER:	P241705.US.03
NAME OF SUBMITTER:	BRANDON P. HEGSTROM
SIGNATURE:	/Brandon P. Hegstrom/
DATE SIGNED:	09/23/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).

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REEL: 033801 FRAME: 0665

Total Attachments: 5

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PATENT REEL: 033801 FRAME: 0666

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Philip W. Appel, Thomas D. Weir, Jacob M.
Culley, Timothy E. Farley, Daniel A. Howard and Sarah E. Love

Filed: Concurrently Herewith

For : APPARATUSES, SYSTEMS, MOBILE

GASIFICATION SYSTEMS, AND METHODS FOR GASIFYING

RESIDUAL BIOMASS

Docket No. P241705.US.03

ASSIGNMENT:

<u>X</u>	Enclosed for recording
	Previously recorded
Date:	•
Reel:	

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned does hereby:

SELL, ASSIGN AND TRANSFER to Ag Energy Solutions, Inc. (the "Assignee"), a corporation of Delaware, having a place of business at 665 N. Riverpoint Blvd., Suite 344, Spokane, Washington 99202, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith and is entitled "APPARATUSES, SYSTEMS. **MOBILE** GASIFICATION SYSTEMS, AND METHODS FOR GASIFYING RESIDUAL BIOMASS"; such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States of America;

Page 1 of 2

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Signature:

Assignor Name: Philip W. Appel

Date: 9/10/14

STATE OF WASHINGTON)

) ss.

County of Spokane

BEFORE ME, this 10th day of September, 2014, personally appeared the above-named individual, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.

CARACTY L. WARD NOTARY PUBLIC STATE OF WASHINGTON COMMISSION EXPIRES AUGUST 9, 2017

Notary or Consular

My Commission Expires 3-9-2017

Signature: Thomas D Weir Date: 9/10/14
Assignor Name: Thomas D. Weir
STATE OF WASHINGTON)
County of Whitman) ss.
BEFORE ME, this day of Afendry, 2014, personally appeared the above-named individual, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed. CHARLITY L. WARRD NOTATE OF WASHINGTON FORMATION OF Consular Officer Notary or Consular Officer My Commission Expires 5-9-2017
Signature: Jub M. Cally Date: 105EP2014
Assignor Name: Jacob M. Culley
CTATE OF MACHINICTON A
County of Section) ss. County of Section) BEFORE ME, this 10 day of Section 2014, personally appeared the above-named individual, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.
CHARITY L. WARD NOTARY PUBLIC STATE OF WASHINGTON COMMISSION EXPIRES AUGUST 9, 2017 NOTARY OF Consular Officer My Commission Expires 8-9-2017.

Signature: Date: 9/10/2014 Assignor Name: Timothy E. Farley
STATE OF WASHINGTON) Section (Spokland) BEFORE ME, this 10 day of September 2014, personally appeared the above-named individual, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.
CHARITY L. WARD NOTARY PUBLIC STATE OF WASHINGTON COMMISSION EXPIRES AUGUST 9, 2017 My Commission Expires 8-9-2017
Signature: Date: 9/10/2014 Assignor Name: Daniel A. Howard
STATE OF WASHINGTON)) ss. County of Sokone) BEFORE ME, this 10 day of September 2014, personally appeared the above-named individual, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.
CHARITY L. WARD NOTARY PUBLIC STATE OF WASHINGTON COMMISSION EXPIRES AUGUST 9, 2017 My Commission Expires 8-9-2017.

Signature: A. Orus	Aurin.	Date:	9/11/14
Assignor Name: Sarah E. Love			
STATE OF WASHINGTON) COUNTY OF SUMBANDERS.	your		
County of Suntabulus ss.			
BEFORE ME, this _ above-named individual, to me know foregoing assignment instrument and free will for the purpose therein expe	day of After what to be the person who dacknowledged to me		
SEAL	Comu		
	Notary or Consular O My Commission Expi	fficer \\8	K
CARMEN ESTRADA Commission # 2051435 Notary Public - California Santa Barbara County My Comm. Expires Jan 8, 2018		* 1	