

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT3666582

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	BRIGHAM YOUNG UNIVERSITY	03/05/2014
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	SUSTAINABLE ENERGY SOLUTIONS, LLC	
<b>Street Address:</b>	1489 WEST 105 NORTH	
<b>City:</b>	OREM	
<b>State/Country:</b>	UTAH	
<b>Postal Code:</b>	84057	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	14204882
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<b>ATTORNEY DOCKET NUMBER:</b>	19337.16.1A.1.1	
<b>NAME OF SUBMITTER:</b>	JOHN M. GUYNN, REG. NO. 36153	
<b>SIGNATURE:</b>	/JOHN M. GUYNN 36153/	
<b>DATE SIGNED:</b>	12/18/2015	
<b>Total Attachments: 5</b>		
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ASSIGNMENT

WHEREAS, Assignor, BRIGHAM YOUNG UNIVERSITY, a corporation of the State of Utah, having a principal place of business at Technology Transfer Office, 3760 Harold B. Lee Library, Provo, Utah 84602, is the owner of record of the pending United States and foreign patent applications and issued patents listed in the attached Schedule A.

WHEREAS, Assignee, SUSTAINABLE ENERGY SOLUTIONS, LLC, a corporation of the State of Utah, having a principal place of business at 1489 West 105 North, Orem, Utah 84057, desires to secure the entire right, title and interest in the listed patent applications and issued patents.

THEREFORE, in exchange for good and valuable consideration paid to us by Assignee, the receipt and sufficiency of which we hereby acknowledge, ASSIGNOR HEREBY ASSIGNS TO ASSIGNEE:

The entire right, title and interest in the invention in the above-identified United States patent applications and issued patents and in all divisions, continuations and continuations-in-part of the application, or reissues or extensions of Letters Patent or Patents granted thereon, and in all corresponding applications which may be filed in countries foreign to the United States, and in all patents issuing thereon in the United States and foreign countries.

The right to file foreign patent applications on said invention in its own name, wherever such right may be legally exercised, including the right to claim the benefits of the International convention for such applications.

Assignor hereby authorizes and requests the United States Commissioner of Patents and Trademarks and such Patent Office officials in foreign countries as are duly authorized by their patent laws to issue patents to issue any and all patents on said invention to the Assignee as the owner of the entire interest, for the sole use of Assignee, its successors, assigns and legal representatives.

Assignor hereby agrees, without further consideration and without expense, to sign all lawful papers and to perform all other lawful acts which Assignee may request of Assignor to make this Assignment fully effective, including, by way of example but not of limitation, the following:

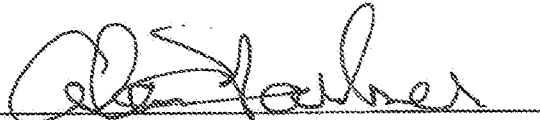
Prompt execution of all original, divisional, substitute, reissue and other United States and foreign patent applications and issued patents on the invention, and all lawful documents requested by Assignee to further the prosecution of any of such patent applications and issued patents.

Cooperation to the best of Assignor's ability in the execution of all lawful documents, the production of evidence, nullification, reissue, extension or infringement proceedings involving the invention.

DATED this 05 day of March, 2014

*Assignor:*

BRIGHAM YOUNG UNIVERSITY



By: Alan R. Harker,  
Title: Associate Academic Vice President

ACCEPTED this 5 day of March, 2014.

*Assignor:*

SUSTAINABLE ENERGY SOLUTIONS, LLC



By: Andrew Baxter  
Title: President

**SCHEDULE A**

Docket No.	Country	Serial No..	Filed	Title
17709.2A	Patent Cooperation Treaty	PCT/US2008/085075	11/28/2008	Carbon Dioxide Capture From Flue Gas
17709.2A.1	China	200880125555.1	11/28/2008	Carbon Dioxide Capture From Flue Gas
17709.2A.2	European Patent Office	08855143.7	11/28/2008	Carbon Dioxide Capture From Flue Gas
17709.2A.3	India	3785/DELNP/2010	11/28/2008	Carbon Dioxide Capture from Flue Gas
17709.2A.4	United States of America	12/745193	11/28/2008	Carbon Dioxide Capture from Flue Gas
17709.5	United States of America	61/068,192	3/5/2008	Methods And Systems For Generating Power From A Turbine Using Compressed Nitrogen
17709.5	United States of America	61/005,802	12/6/2007	Methods And Systems For Generating Power From A Turbine Using Compressed Nitrogen
17709.5A	Patent Cooperation Treaty	PCT/US2008/014120	12/8/2008	Methods And Systems For Generating Power From A Turbine Using Compressed Nitrogen
17709.5A.1	European Patent Office	08860246.1	12/8/2008	Methods And Systems For Generating Power From A Turbine Using Compressed Nitrogen
17709.5A.2	United States of America	12/745680	12/8/2008	Methods And Systems For Generating Power From A Turbine Using Pressurized Nitrogen
17709.7	United States of America	61/068129	3/4/2008	Stable Carbon Dioxide Sequestration
17709.7A	Patent Cooperation Treaty	PCT/US2009/036089	3/4/2009	Stable Carbon Dioxide Sequestration
17709.7A.1	United States of America	12/875947	9/3/2010	Methods for Stable Sequestration of Carbon Dioxide in an Aquifer

Docket No.	Country	Serial No.	Filed	Title
17709.16	United States of America	61/210298	3/16/2009	Method For Separating Condensable Vapors From Gases To Form A Solid And Light-Gas Product Stream
17709.16.1	United States of America	61/181655	5/27/2009	Methods And Systems For Separating Condensable Vapors From Gases To Form A Solid
17709.16.1A	Patent Cooperation Treaty	PCT/US2010/027518	3/16/2010	Methods and Systems For Separating Condensable Vapors From Gases
<u>17709.16.1A.1</u>	United States of America	13/257261	3/16/2010	Methods and Systems For Separating Condensable Vapors From Gases
17709.16.1A.2	China	201080021604.4	3/16/2010	Methods and Systems For Separating Condensable Vapors From Gases
17709.16.1A.3	European Patent Office	10753995.9	3/16/2010	Methods and Systems For Separating Condensable Vapors From Gases
17709.16.1A.4	India	7845/DELNP/2011	3/16/2010	Methods and Systems For Separating Condensable Vapors From Gases
17709.30	United States of America	61/458229	11/19/2010	Method for a Desublimating Heat Exchanger
17709.30.1	United States of America	13/301731	11/21/2011	Systems and Methods for Separating Condensable Vapors from Gases by Direct-Contact Heat Exchange
17709.30A	Patent Cooperation Treaty	PCT/US2011/061737	11/21/2011	Systems and Methods for Separating Condensable Vapors from Gases by Direct-Contact Heat Exchange
17709.30A.1	European Patent Office	11790834.3	11/21/2011	Systems and Methods for Separating Condensable Vapors from Gases by Direct-Contact Heat Exchange

Docket No.	Country	Serial No..	Filed	Title
17709.30A.2	China	201180065223.0	11/21/2011	Systems and Methods for Separating Condensable Vapors from Gases by Direct-Contact Heat Exchange
17709.30A.3	India	4537/CHENP/2013	11/21/2011	Systems and Methods for Separating Condensable Vapors from Gases by Direct-Contact Heat Exchange
17709.30A.4	Australia	2011329613	11/21/2011	Systems and Methods for Separating Condensable Vapors from Gases by Direct-Contact Heat Exchange
17709.38	United States of America	61/627998	10/22/2011	Integrated Carbon Capture And Energy Storage
17709.38	United States of America	13/657616	10/22/2012	Systems and Methods for Integrated Energy Storage and Cryogenic Carbon Capture
17709.38A	Patent Cooperation Treaty	PCT/US2012/061392	10/22/2012	Systems and Methods for Integrated Energy Storage and Cyogenic Carbon Capture