

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT4039649

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
STEPHEN H. LUCAS	09/01/2016
PETER G. TIVERIOS	09/01/2016
JAMES R. JONES JR.	09/01/2016

RECEIVING PARTY DATA

Name:	FULCRUM BIOENERGY, INC.
Street Address:	4900 HOPYARD ROAD
Internal Address:	SUITE 220
City:	PLEASANTON
State/Country:	CALIFORNIA
Postal Code:	94588

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14138635

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	051955-017
NAME OF SUBMITTER:	MARIA S. SWIATEK
SIGNATURE:	/Maria S. Swiatek/
DATE SIGNED:	09/06/2016

Total Attachments: 5

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ASSIGNMENT

WHEREAS, we, Stephen H. Lucas, a citizen of the United States, residing in Foristell, Missouri, Peter G. Tiverios, a citizen of the United States, residing in Anderson, South Carolina, and James R. Jones Jr., a citizen of the United States, residing in Anderson, South Carolina, have invented a "GAS RECYCLE LOOPS IN PROCESS FOR CONVERTING MUNICIPAL SOLID WASTE INTO ETHANOL" for which we have executed application papers for a U.S. patent thereon, which was filed on December 23, 2013, serial no. 14/138,635; and

WHEREAS, **Fulcrum BioEnergy, Inc.**, a Delaware Corporation, having a place of business located at 4900 Hopyard Road, Suite 220, Pleasanton, California 94588, is desirous of acquiring the exclusive right, title and interest in and to said invention and in and to the Letters Patent to be granted and issued therefor in the United States of America and its territories and possessions, and all countries foreign thereto;

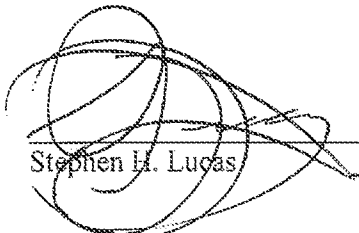
NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, we, Stephen H. Lucas, Peter G. Tiverios, and James R. Jones Jr., do sell, assign, transfer and set over unto the said Fulcrum BioEnergy, Inc., its successors and assigns, the full and exclusive right, title and interest in and to said invention, and in and to any and all Letters Patent to be granted and issued therefor, not only for, to and in the United States of America, its territories and possessions, but also for, to and in all other countries including all priority rights under the International Convention, in any or all continuation, continuation-in-part, divisional and/or converted utility and design patent applications and resulting Letters Patents; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters

Patent to said Fulcrum BioEnergy, Inc., its successors and assigns, in accordance with this
Assignment.

[ASSIGNMENT CONTINUATION]

Re: U.S. Patent Application entitled: **GAS RECYCLE LOOPS IN PROCESS FOR
CONVERTING MUNICIPAL SOLID WASTE INTO ETHANOL**

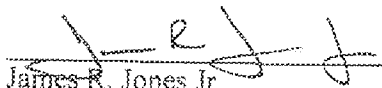
Inventor: Stephen H. Lucas


Stephen H. Lucas

9/1/2014
(date)

[ASSIGNMENT CONTINUATION]

Re: U.S. Patent Application entitled: GAS RECYCLE LOOPS IN PROCESS FOR
CONVERTING MUNICIPAL SOLID WASTE INTO ETHANOL
Inventor: James R. Jones


James R. Jones Jr. _____ 09/01/2016
(date)