PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
William C. Breneman	04/25/2012
David T. Carter	05/16/2012
Howard J. Dawson	04/24/2012
Andrew J. Green	05/07/2012
Hiroshi Morihara	05/16/2012
Richard Palmer	04/24/2012

RECEIVING PARTY DATA

Name:	HM3 Energy, Inc.
Street Address:	500 SE Butler Rd.
City:	Gresham
State/Country:	OREGON
Postal Code:	97080

PROPERTY NUMBERS Total: 2

Property Type	Number	
Application Number:	61467550	
PCT Number:	US2012029890	

CORRESPONDENCE DATA

Fax Number: 5035955301

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 503-595-5300

Email: emily.langston@klarquist.com

Correspondent Name: Stacey C. Clater, Klarquist Sparkman LLP
Address Line 1: One World Trade Center, 121 SW Salmon St

Address Line 2: Suite 1600

Address Line 4: Portland, OREGON 97204

NAME OF SUBMITTER: Stacey C. Slater PATENT

502113450 REEL: 029222 FRAME: 0345

Total Attachments: 10
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PATENT REEL: 029222 FRAME: 0346

ASSIGNMENT

WHEREAS, we, William C. Breneman, of Moses Lake, Washington, David T. Carter, of Brush Prairie, Washington, Howard J. Dawson of Anacortes, Washington, Andrew J. Green, of Salem, Oregon, Hiroshi Morihara, of Gresham, Oregon, and Richard Palmer, of Camas, Washington, have invented a certain invention, entitled REFINED TORREFIED BIOMASS, as described in the following patent applications:

U.S. Provisional Patent Application No. 61/467,550, filed on March 25, 2011, entitled "REFINED TORREFIED BIOMASS,"

PCT Patent Application No. PCT/US2012/029890, filed on March 21, 2012, entitled "REFINED TORREFIED BIOMASS,"

which applications are collectively referred to as "the patent applications."

WHEREAS, HM³ Energy, Inc., a corporation organized under the laws of the State of Oregon, having a place of business at 500 SE Butler Road, Gresham, Oregon 97080, desires to acquire an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, William C. Breneman, David T. Carter, Howard J. Dawson, Andrew J. Green, Hiroshi Morihara, and Richard Palmer, hereby sell, assign and transfer to HM³ Energy, Inc., the full and exclusive right, title and interest in and to said invention, the patent applications and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute International Applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; said invention, the patent applications and letters patent in this or any foreign country, and all corresponding non-provisional applications, divisions, continuations, continuations in the convention of the term for the behalf and enjoyed by HM³ Energy, Inc., for its own use and behalf and for its successors and assigns to the full end of the term for which letters patent that be granted by the United States or any foreign country, as fully and entirely as the same would have been held by us had this assignment and sale not been made, and covenant that we have full right so to do, and agree that we will communicate to HM³ Energy, Inc., or its successors and assigns, any facts

known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid HM³ Energy, Inc., its successors and assigns to obtain and enforce proper patent protection for said invention in the United States or any foreign country.

We confirm that at the time the invention was made, we were under an obligation to assign the invention to HM³ Energy, Inc.

We hereby grant the law firm of Klarquist Sparkman, LLP, the power to insert on this Assignment any further information which may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

Executed at the place and date opposite our respective signatures below.

William C. Breneman

At MOSESLAKE, WA (City and State)

on this 25 day of April 20/2.

STATE OF WASHNOTON

COUNTY OF CANAL

This 25 day of 40, 20/2, before me personally came the above-named William C. Breneman, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by William C. Breneman's own free will for the purpose set forth therein.

Notary Public
State of Washington
GILES J. ISAACSON
My Appaintment Expires Aug 19, 2013

Notary Public For

My commission expires:

	David T. Carts
At Carrie Oasaa	David T. Carter
At <u>Gresham</u> , Oregon (City and State) on this 16 th day of <u>May</u> , 2012.	
on this 16 day of Way, 2012.	
·	
STATE OF ORLOWN)	
STATE OF ORLGON) ss. COUNTY OF multhomah)	
COUNTY OF Multhoman)	
This Hay of May, 2012, David T. Carter, who executed the foregoing instruction me that this instrument was executed by David forth therein.	before me personally came the above-named rument in my presence, and who acknowledged T. Carter's own free will for the purpose set
	Linda I Change
OFFICIAL SEAL LINDA L CRAPSER	Notary Public For Oxe Gon
MOTARY PUBLIC - OREGON COMMISSION NO. 462623	My commission expires: Nov. 13, 2015
MY COMMISSION EXPIRES NOVEMBER 13, 2015	
	Souwed Sunger
Λ. Λ	Howard J. Dawson
At Anacoctes Wa (City and State)	Howard J. Dawson
At Anacoctes Wa (City and State) on this 24 th day of April, 2012.	Howard J. Dawson
At Anacoctes Wa (City and State) on this 24 th day of April, 2012.	Howard J. Dawson
At Anacoctes Wa (City and State) on this 24th day of April , 2012. STATE OF WASHINGTON)	Howard J. Daywson
on this 24 th day of April , 2012. STATE OF WASHINGTON) ss.	Howard J. Daywson
on this 24 th day of April , 2012. STATE OF WASHINGTON)	Howard J. Dawson
(City and State) on this 24 th day of April , 2012. STATE OF WASHINGTON) COUNTY OF SYAGET) This 24 th day of April , 2012, b	pefore me personally came the above-named
(City and State) on this 24 day of April , 2012. STATE OF WASHINGTON) SS. COUNTY OF SYAGET) This 24 day of April , 2012, b Howard J. Dawson, who executed the foregoing in	pefore me personally came the above-named astrument in my presence, and who
(City and State) on this 24 th day of April , 2012. STATE OF WASHINGTON) COUNTY OF SYAGET) This 24 th day of April , 2012, b	pefore me personally came the above-named astrument in my presence, and who
(City and State) on this 24th day of April , 2012. STATE OF WASHINGTON) SS. COUNTY OF SYAGET) This 24th day of April , 2012, be Howard J. Dawson, who executed the foregoing in acknowledged to me that this instrument was executed the state of the	pefore me personally came the above-named astrument in my presence, and who
(City and State) on this 24th day of April , 2012. STATE OF WASHINGTON) SS. COUNTY OF SYAGET) This 24th day of April , 2012, be Howard J. Dawson, who executed the foregoing in acknowledged to me that this instrument was executed the state of the	pefore me personally came the above-named astrument in my presence, and who
(City and State) on this 24th day of April , 2012. STATE OF WASHINGTON) SS. COUNTY OF SYAGET) This 24th day of April , 2012, be Howard J. Dawson, who executed the foregoing in acknowledged to me that this instrument was executed the purpose set forth therein.	pefore me personally came the above-named astrument in my presence, and who uted by Howard J. Dawson's own free will for
(City and State) on this 24 day of April , 2012. STATE OF WASHINGTON) SS. COUNTY OF SYAGET) This 24 day of April , 2012, be the purpose set forth therein. NOTARY BURKENSTON STATE OF WASHINGTON STATE OF WASHINGTON STATE OF THE PURPOSE SET OF THE PURPOSE	pefore me personally came the above-named astrument in my presence, and who uted by Howard J. Dawson's own free will for Notan Public Roy Landon

Page 3 of 5

	ast
At Salem Oregon	Andrew J. Green
(City and State) on this Hay of May, 2012	
STATE OF ORLGOU) ss.	
county of Marion;	
Andrew J. Green, who executed the foregoing in	
acknowledged to me that this instrument was ex- the purpose set forth therein.	ecuted by Andrew J. Green's own free will for
	Vattern
OFFICIAL SEAL PATRICIA ANN TOURAY NOTARY PUBLIC - OREGON COMMISSION NO. 454065 MY COMMISSION EXPIRES NOVEMBER 23, 2014	Notary Public For Bank of America My commission expires: 11/93/2014
At	Hiroshi Morihara
(City and State)	
on this, day of, 20	
STATE OF)	
COUNTY OF) ss.	
This day of, 20, before Morihara, who executed the foregoing instrument that this instrument was executed by Hiroshi Mortherein.	t in my presence, and who acknowledged to me
	Notary Public For My commission expires:

		Field	Palmer		
At Vantauvu Wt (City and Son this 24 day of Son 1	tate) , 20 <u>\Z</u> .	Richard Palmer		·	
STATE OF WA)) ss.)				
This 24 day of 00 No. Richard Palmer, who executed to me that this instrument was forth therein.	the foregoing inst	trument in my presence	e, and who ack	nowledged	
SALLY M GOOD NOTARY PUB STATE OF WASHING GOMMISSION EXPIR JANUARY 98, 281.	LIC GTON RES	Notary Public For My commission exp	vi. 400°	14 14	

ASSIGNMENT

WHEREAS, we, William C. Breneman, of Moses Lake, Washington, David T. Carter, of Brush Prairie, Washington, Howard J. Dawson of Anacortes, Washington, Andrew J. Green, of Salem, Oregon, Hiroshi Morihara, of Gresham, Oregon, and Richard Palmer, of Camas, Washington, have invented a certain invention, entitled REFINED TORREFIED BIOMASS, as described in the following patent applications:

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PCT Patent Application No. PCT/US2012/029890, filed on March 21, 2012, entitled "REFINED TORREFIED BIOMASS,"

which applications are collectively referred to as "the patent applications."

WHEREAS, HM³ Energy, Inc., a corporation organized under the laws of the State of Oregon, having a place of business at 500 SE Butler Road, Gresham, Oregon 97080, desires to acquire an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, William C. Breneman, David T. Carter, Howard J. Dawson, Andrew J. Green, Hiroshi Morihara, and Richard Palmer, hereby sell, assign and transfer to HM³ Energy, Inc., the full and exclusive right, title and interest in and to said invention, the patent applications and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute International Applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; said invention, the patent applications and letters patent in this or any foreign country, and all corresponding non-provisional applications, divisions, continuations, continuations-in-part, reissues and extensions thereof, to be held and enjoyed by HM³ Energy, Inc., for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted by the United States or any foreign country, as fully and entirely as the same would have been held by us had this assignment and sale not been made, and covenant that we have full right so to do, and agree that we will communicate to HM³ Energy, Inc., or its successors and assigns, any facts

known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid HM³ Energy, Inc., its successors and assigns to obtain and enforce proper patent protection for said invention in the United States or any foreign country.

We confirm that at the time the invention was made, we were under an obligation to assign the invention to HM³ Energy, Inc.

We hereby grant the law firm of Klarquist Sparkman, LLP, the power to insert on this Assignment any further information which may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

Executed at the place and date opposite our respective signatures below.

At			William C. Breneman
(City a	and State)		<u></u>
on this day of	, 20	·•	
STATE OF)		
COUNTY OF)	SS.	
William C. Breneman, w	ho executed t this instrume	he foreg	_, before me personally came the above-named oing instrument in my presence, and who executed by William C. Breneman's own free will
			Notary Public For My commission expires:

	Andrew J. Green
At	
(City and State) on this day of, 20	
STATE OF) ss.	
COUNTY OF)	
This day of, 20 Andrew J. Green, who executed the foregoi acknowledged to me that this instrument watthe purpose set forth therein.	ng instrument in my presence, and who as executed by Andrew J. Green's own free will for LABS LADISTO STATE ON THE STATE OF THE STATE O
	wiy commission expires.
	Miodic Marlan Hiroshi Morihara
on this 16 day of May, 2012.	
STATE OF OREGON) ss.	
This 16 day of May, 2012, b	before me personally came the above-named Hiroshi rument in my presence, and who acknowledged to me hi Morihara's own free will for the purpose set forth
OFFICIAL SEAL LINDA L CRAPSER MOTARY PUBLIC - OREGON COMMISSION NO. 462823 MY COMMISSION EXPIRES NOVEMBER 13, 2016	Notary Public For One gon My commission expires: Nov. 13, 2015

	Andrew J. Green
At	
(City and State) on this day of, 20	
31, 02, 10	_ '
STATE OF)	
)	SS.
COUNTY OF)	
	_ , 20, before me personally came the above-named
	regoing instrument in my presence, and who nt was executed by Andrew J. Green's own free will for
the purpose set forth therein.	in the character of a march of choose of chiral sections and
	Notary Public For
	My commission expires:
At	Hiroshi Morihara
(City and State)	
on this day of, 20	_·
STATE OF)	
)	SS.
COUNTY OF)	
This day of, 20	_, before me personally came the above-named Hiroshi
Morihara, who executed the foregoing i	instrument in my presence, and who acknowledged to me roshi Morihara's own free will for the purpose set forth
	Notary Public For
	My commission expires:

		Richard Palmer
At		
(City and Stat	e)	-
on this day of	, 20	
STATE OF)	
COUNTY OF) ss.)	
Richard Palmer, who executed the	ne foregoing instru	efore me personally came the above-named ment in my presence, and who acknowledged Palmer's own free will for the purpose set
	_	
		Notary Public For
	•	My commission expires: