PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Paul D. Oldenburg	07/02/2012
James R. Bielenberg	07/09/2012
Virginia M Roberts	07/09/2012
Halou Oumar-Mahamat	07/02/2012

RECEIVING PARTY DATA

Name:	ExxonMobil Research and Engineering Company
Street Address:	1545 Route 22 East
Internal Address:	P.O. Box 900
City:	Annandale
State/Country:	NEW JERSEY
Postal Code:	08801-0900

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13285691

CORRESPONDENCE DATA

Fax Number: 9087303649

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

Phone: 908-730-3202

Email: jocelyn.k.justice@exxonmobil.com

Correspondent Name: ExxonMobil Research & Engineering Co.

Address Line 1: 1545 Route 22 East Address Line 2: P.O. Box 900

Address Line 4: Annandale, NEW JERSEY 08801-0900

ATTORNEY DOCKET NUMBER:	2010EM356 US2 EMRE
NAME OF SUBMITTER:	David M. Weisberg
	PATENT

502382907 REEL: 030604 FRAME: 0751

13285694

Signature:	/David M. Weisberg/
Date:	06/13/2013
Total Attachments: 4 source=2010EM356 US2 USSN 13-285691 source=2010EM356 US2 USSN 13-285691 source=2010EM356 US2 USSN 13-285691 source=2010EM356 US2 USSN 13-285691	ASSIGNMENT#page2.tif ASSIGNMENT#page3.tif

PATENT REEL: 030604 FRAME: 0752

US	SN	13/285,691
Filed:	10/3	/2011

ASSIGNMENT INVENTOR or INVENTORS:

PAUL D. OLDENBURG

JAMES R. BIELENBERG

VIRGINIA M. ROBERTS

HALOU OUMAR-MAHAMAT

PETER J. DOMAILLE

For good and valuable consideration, the undersigned person(s) named above, herein referred to as UNDERSIGNED, hereby agree(s) as follows:

t) UNDERSIGNED hereby assign(s) to ExxonMobil Research and Engineering Company (formerly Exxon Research and Engineering Company), a corporation of Delaware, its successors, legal representatives and assigns, herein referred to collectively as ASSIGNEE, the entire right, title and interest, for the United States and all foreign countries, in and to UNDERSIGNED's invention or improvement and to all patent applications and patents covering same which is described in a patent application entitled

PHOSPHORUS RECOVERY FROM HYDROTHERMAL TREATMENT OF BIOMASS

said application having been filed on the 31s day of October 2011 and being further identified as Family Number 2010EM356-US2; and all rights of priority created by said application under provisions of international conventions or treaties.

- 2) UNDERSIGNED agree(s) upon the request of ASSIGNEE to execute any and all applications for and documents relating to obtaining patients and the prosecution thereof for said invention or improvement, and any continuations of such applications or substitutes therefore or registrations thereof, and any specific separate assignments of any of the above required for recording in the United States Patent and Trademark Office and any foreign patent office that ASSIGNEE may deem necessary or expedient.
- 3) UNDERSIGNED agree(s) that in the event of any application based on said assigned invention or improvement, or patent issued thereon, or any reissue or application for the reissue thereof, becoming involved in priority of invention proceedings, UNDERSIGNED will cooperate with ASSIGNEE to the best of the ability of UNDERSIGNED in the matter of preparing and executing all documents and giving and producing evidence in support thereof.
- 4) UNDERSIGNED agree(s) to perform upon ASSIGNEE's request any and all affirmative acts to obtain United States and foreign patents covering said invention or improvement and to vest all rights therein hereby conveyed to ASSIGNEE, as fully and as entirely as the same would have been held and enjoyed by UNDERSIGNED if this assignment and sale had not been made.
- 5) UNDERSIGNED hereby authorize(s) ASSIGNEE to insert in this instrument the date(s) on which UNDERSIGNED executed the Declaration for the above-referenced patent application.

IN WITNESS WHEREOF, this assignment has been executed by UNDERSIGNED on the date opposite UNDERSIGNED'S NAME.

Date7/2/12	Inventor PAUL D. OLJ	DENBURG AS
Dose	Inventor JAMES R. BI	(LS
Date	InventorVIRGINIA M	. ROBERTS
Dotte	InventorHALOU OUT	(LS
Deste	InventorPETER J. DO	/LS

27810 27810 PATENT TRADEMARK OFFICE

Family Number: 2010EM356-US2

USSN	13/285,691
***	***************************************
Filed : 10/31	/2611

ASSIGNMENT INVENTOR or INVENTORS:

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JAMES R. BIELENBERG

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Date	Inventor PAUL D. OLDENBURG	(LS)
Dave 7/9/12	Inventor JAMES R. BIELENBERG	
Exame	Inventor VIRGINIA M. ROBERTS	(1.5)
Date:	inventor Halou Oudar-Mahamat	(1.5)
Date	Inventor FETER I. DOMARLE	(1.5)

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PATENT TRADEMARK OFFICE

Family Number: 2010EM356-US2

US	SN	13/285,691
Filed:	10/3	1/2011

ASSIGNMENT INVENTOR or INVENTORS:

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Date (Inventor PAUL D. OLDENBUI	RG (LS)
Date	ImensorIAMES R. BIELENBI	(LS)
Date 07/09/2012	inventos // ji titi j. p. //	J.J. cs
Doue	Inventor HALOU OUMAR-M/	
Date	InveniorPETER J. DOMANLJ.	as,

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Family Number: 2010EM356-US2

USSN 13/285,691 Filed: 10/31/2011

ASSIGNMENT INVENTOR or INVENTORS:

PAUL D. OLDENBURG

JAMES R. BIELENBERG

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Date	Inventor PAUL D. OLDENBIJ	(LS)
	PAUL D. OLDENBIJ	RG
Date	Inventor IAMES R. BIELENG	(3.8)
	IAMES R. BIELENB	EKG
Date	InventorVIRGINIA_M. ROBE	(1.5)
	VIRGINIA M. ROBE	***
Done 7/2/2012	Inventor Uston Will	- Viliani Vas
	WALOU OLMAR-M.	AHAMAT
Date	Inventor	
	PETER I. DOMAILL	E

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Family Number: 2010EM356-US2

PATENT REEL: 030604 FRAME: 0756

RECORDED: 06/13/2013