502010771 08/01/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Sathit Kulprathipanja	07/31/2012
Paolo Palmas	07/26/2012
Lance Awender Baird	07/25/2012

RECEIVING PARTY DATA

Name:	UOP LLC
Street Address:	25 East Algonquin Road
Internal Address:	Patent Department
City:	Des Plaines
State/Country:	ILLINOIS
Postal Code:	60017-5017

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13563125

CORRESPONDENCE DATA

 Fax Number:
 4803855061

 Phone:
 (480) 385-5060

 Email:
 docketing@ifllaw.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: Ingrassia Fisher & Lorenz, P.C.

Address Line 1: 7010 E. Cochise Road
Address Line 4: Scottsdale, ARIZONA 85253

ATTORNEY DOCKET NUMBER: H0034688-8925

NAME OF SUBMITTER: Christopher S. Andrzejak

Total Attachments: 6

PATENT REEL: 028702 FRAME: 0760 OP \$40,00 135631

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WHEREAS, the undersigned inventor(s) (hereinafter individually and collectively referred to as "ASSIGNOR") has invented new and useful improvements in:

METHODS AND FUEL PROCESSING APPARATUSES FOR UPGRADING A PYROLYSIS OIL STREAM AND A HYDROCARBON STREAM

U.S. Provisional Application No.	filed	 (Rev.05/25/2011)
This assignment shall be constructed State of Delaware, United States	ued, governed, interpreted and applied in acco s of America.	rdance with the laws of
	ent is held by any court to be unenforceable, a lives of the original provision to the fullest exte all remain in full force and effect.	
executors and administrators, for the the benefit of ASSIGNEE or anyone	• • • •	ed to and shall inure to
remuneration, but at no expense to administrators will provide all reason legal protection that ASSIGNEE des any and all papers desired by ASS	URTHERMORE, upon request of ASSIGNED ASSIGNOR, that ASSIGNOR or ASSIGNOR hable assistance to obtain, maintain, and assertires to obtain or assert for the Assigned Prope SIGNEE for the filing and granting of patent SIGNEE, and in enforcing any rights in the Ass	t'S heirs, executors, or t the fullest measure of rty, including executing rights in the Assigned
insert on each page of this instrum Application when known;	ORE authorizes ASSIGNEE, or anyone it may ent (where indicated) the filing date and appl	ication number of said
hereby acknowledged, ASSIGNOR ASSIGNEE ASSIGNOR's entire right and hereby authorizes and requests the sole use and benefit of ASSIGNI	and valuable consideration, the receipt and sidoes hereby irrevocably and unconditionally ast, title and interest in and to and resulting from the Commissioner of Patents to issue said pate; ASSIGNEE hereby accepts such transfer a	ssign and transfer unto the Assigned Property, atent to ASSIGNEE for and assignment;
East Algonquin Road, Des Plaines, and collectively referred to as "ASS	Delaware Limited Liability Company having a part of Library its successors and assigns (IGNEE"), is desirous of acquiring ASSIGNOR's named assigned Property and in general all parts.	hereinafter individually s entire right, title, and
application for patent (the "Applicat applications for patent throughout th of priority arising from the Applicatio Protection of Industrial Property or u agreements, in any jurisdiction, (v) a	ned Property" shall mean (i) the above-ide ion"), (ii) all inventions disclosed in the Applicate world directed to the subject matter of the Applications, under the Pounder relevant laws, treaties, conventions or bury and all patents throughout the world resulting and (vi) any and all claims against third pareement;	cation, (iii) any and all pplication, (iv) the right aris Convention for the ilateral and multilateral ang from the Application
	12 and assigned U.S. Application No	13/563,125 ;
has been executed on even date was executed on		
for which application for patent in the		

EXECUTED on behalf of ASSIGNEE and effective as of the latest date of the ASSIGNOR signature(s) below:

Manjani Maar	
Maryann Maas Assistant Secretary – Intellectual Property (UOP) UOP LLC	
EXECUTED as of the date(s) set forth below on behalf of the Sathit Kulprathipanja	ASSIGNOR: Date: 7/31/12.
Paolo Palmas	Date:
Lance Awender Baird	Date:

U.S. Provisional Application No.	file	ed
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(Hev.05/25/2011)

WHEREAS, the undersigned inventor(s) (hereinafter individually and collectively referred to as "ASSIGNOR") has invented new and useful improvements in:

METHODS AND FUEL PROCESSING APPARATUSES FOR UPGRADING A PYROLYSIS OIL STREAM AND A HYDROCARBON STREAM

**************************************	(Rev.05/25/2011)
U.S. Provisional Application No.	filed
This assignment shall be const the State of Delaware, United State	trued, governed, interpreted and applied in accordance with the laws of es of America.
	nent is held by any court to be unenforceable, such provision shall be ctives of the original provision to the fullest extent allowed by law and hall remain in full force and effect.
executors and administrators, for the benefit of ASSIGNEE or anyone	* * * *
remuneration, but at no expense the administrators will provide all reason legal protection that ASSIGNEE deany and all papers desired by ASSIGNEE and all p	FURTHERMORE, upon request of ASSIGNEE, and without further to ASSIGNOR, that ASSIGNOR or ASSIGNOR'S heirs, executors, or chable assistance to obtain, maintain, and assert the fullest measure of esires to obtain or assert for the Assigned Property, including executing assignee for the filing and granting of patent rights in the Assigned SSIGNEE, and in enforcing any rights in the Assigned Property.
	10RE authorizes ASSIGNEE, or anyone it may properly designate, to ment (where indicated) the filing date and application number of said
hereby acknowledged, ASSIGNOF ASSIGNEE ASSIGNOR's entire rig and hereby authorizes and reques the sole use and benefit of ASSIGN	I and valuable consideration, the receipt and sufficiency of which are I does hereby irrevocably and unconditionally assign and transfer unto the interest in and to and resulting from the Assigned Property, at the Commissioner of Patents to issue said patent to ASSIGNEE for IVEE; ASSIGNEE hereby accepts such transfer and assignment;
East Algonquin Road, Des Plaines and collectively referred to as "AS	Delaware Limited Liability Company having a place of business at 25 s, IL 60017-5017, its successors and assigns (hereinafter individually SIGNEE"), is desirous of acquiring ASSIGNOR's entire right, title, and own said Assigned Property and in general all property rights included
application for patent (the "Applications for patent throughout to of priority arising from the Application Protection of Industrial Property or agreements, in any jurisdiction, (v)	gned Property" shall mean (i) the above-identified United States ation"), (ii) all inventions disclosed in the Application, (iii) any and all the world directed to the subject matter of the Application, (iv) the right ion or from such other applications, under the Paris Convention for the under relevant laws, treaties, conventions or bilateral and multilateral any and all patents throughout the world resulting from the Application ents, and (vi) any and all claims against third parties in connection with agreement;
	and assigned U.S. Application No. 13/563,125;
was executed on	•
has been executed on even d	
for which application for patent in the	ne United States:

Lance Awender Baird

EXECUTED on behalf of ASSIGNEE and effective as of the latest date of the ASSIGNOR signature(s) below:

Maryann Maas
Assistant Secretary – intellectual Property (UOP)
UOP LLC

EXECUTED as of the date(s) set forth below on behalf of the ASSIGNOR:

Date:

Date:

Paolo Palmas

U.S. Provisional Application No. filed

(Rev.05/25/2011)

WHEREAS, the undersigned inventor(s) (hereinafter individually and collectively referred to as "ASSIGNOR") has invented new and useful improvements in:

METHODS AND FUEL PROCESSING APPARATUSES FOR UPGRADING A PYROLYSIS OIL STREAM AND A HYDROCARBON STREAM

for which application for patent in the United States:
has been executed on even date herewith;
was executed on;
X was filed on July 31, 2012 and assigned U.S. Application No. 13/563,125 ;
AND WHEREAS, the "Assigned Property" shall mean (i) the above-identified United States application for patent (the "Application"), (ii) all inventions disclosed in the Application, (iii) any and all applications for patent throughout the world directed to the subject matter of the Application, (iv) the right of priority arising from the Application or from such other applications, under the Paris Convention for the Protection of Industrial Property or under relevant laws, treaties, conventions or bilateral and multilateral agreements, in any jurisdiction, (v) any and all patents throughout the world resulting from the Application or such other application(s) for patents, and (vi) any and all claims against third parties in connection with any of the rights assigned by this Agreement;
AND WHEREAS, UOP LLC, a Delaware Limited Liability Company having a place of business at 25 East Algonquin Road, Des Plaines, IL 60017-5017, its successors and assigns (hereinafter individually and collectively referred to as "ASSIGNEE"), is desirous of acquiring ASSIGNOR's entire right, title, and interest in and to and resulting from said Assigned Property and in general all property rights included therein;
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR does hereby irrevocably and unconditionally assign and transfer unto ASSIGNEE ASSIGNOR's entire right, title and interest in and to and resulting from the Assigned Property, and hereby authorizes and requests the Commissioner of Patents to issue said patent to ASSIGNEE for the sole use and benefit of ASSIGNEE; ASSIGNEE hereby accepts such transfer and assignment;
AND ASSIGNOR FURTHERMORE authorizes ASSIGNEE, or anyone it may properly designate, to insert on each page of this instrument (where indicated) the filing date and application number of said Application when known;
AND ASSIGNOR AGREES, FURTHERMORE, upon request of ASSIGNEE, and without further remuneration, but at no expense to ASSIGNOR, that ASSIGNOR or ASSIGNOR'S heirs, executors, or administrators will provide all reasonable assistance to obtain, maintain, and assert the fullest measure of legal protection that ASSIGNEE desires to obtain or assert for the Assigned Property, including executing any and all papers desired by ASSIGNEE for the filing and granting of patent rights in the Assigned Property, the perfecting of title in ASSIGNEE, and in enforcing any rights in the Assigned Property. This instrument is executed by, and shall be binding upon ASSIGNOR, and ASSIGNOR's heirs, executors and administrators, for the uses and purposes above set forth and referred to and shall inure to the benefit of ASSIGNEE or anyone it may properly designate.
If any provision of this assignment is held by any court to be unenforceable, such provision shall be interpreted to accomplish the objectives of the original provision to the fullest extent allowed by law and the remainder of this assignment shall remain in full force and effect.
This assignment shall be construed, governed, interpreted and applied in accordance with the laws of the State of Delaware, United States of America.
U.S. Provisional Application Nofiled

PATENT REEL: 028702 FRAME: 0766

(Rev.05/25/2011)

Lance Awender Baird

EXECUTED on behalf of ASSIGNEE and effective as of the latest date of the ASSIGNOR signature(s) below: Maryann Maas Assistant Secretary - Intellectual Property (UOP) **UOP LLC EXECUTED** as of the date(s) set forth below on behalf of the ASSIGNOR: Date: Sathit Kulprathipanja Date: Paolo Palmas Date: 25 July 12___

U.S. Provisional Application No.	************************************	filed	
			(Rev.05/25/2011)