505849788 01/07/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5896725

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RICHARD A. JOHNSON II	04/24/2018
JOSEPH A. MONTALBANO	12/18/2017
JOHN J. SENETAR	12/15/2017

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16735104

CORRESPONDENCE DATA

Fax Number: (602)293-2822

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: (602)293-1254 Email: rlyons@gbc.law

HONEYWELL INTERNATIONAL INC **Correspondent Name:** Address Line 1: 101 COLUMBIA ROAD P. O. BOX 2245 Address Line 2: MAIL STOP AB/2B PATENT SERVICES Address Line 4: MORRISTOWN, NEW JERSEY 07962

H0061744-US-CON 134099C1 **ATTORNEY DOCKET NUMBER:** NAME OF SUBMITTER: PATRICK J. SMITH SIGNATURE: /Patrick J. Smith/ **DATE SIGNED:** 01/06/2020

Total Attachments: 6 source=15L9312#page1.tif source=15L9312#page2.tif

> **PATENT REEL: 051431 FRAME: 0449** 505849788

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PATENT REEL: 051431 FRAME: 0450 H0061744-8200

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

APPARATUSES FOR MIXING OF STAGED METHANOL INJECTION

for which application for patent in the United States:
has been executed on even date herewith;
was executed on;
X was filed on 12/20/2017 and assigned U.S. Appl. No. 15/849,529;
was filed on and assigned U.S. Appl. No;
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.
PCT Application No filed

(Rev.03/20/2012)

EXECUTE	o n behalf	of ASSIGNEE	and effective	as of the	e latest date	e of the A	SSIGNOR
signature(s) bel	ow:						

Marvann	Maas
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Assistant Secretary – Patent UOP LLC

Mayor Moor

EXECUTED as of the date(s) set forth below on behalf of the	e ASSIGNOR:	
This lafelle The	Date:	April 24, 2018
Richard A. Johnson II		Ø

	Date:
Joseph A. Montalbano	

	Date:	
John J. Senetar		

PCT Application No.	filed	

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X was filed on 12/20/2017 and assigned U.S. Appl. No. 15/849,529;
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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.
PCT Application No filed (Rev.03/20/2012)

PATENT REEL: 055687 FRAME: 0568 Mayou Moor

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

Maryann Maas Assistant Secretary – Patent UOP LLC	
EXECUTED as of the date(s) set forth below on beha	If of the ASSIGNOR:
Richard A. Johnson II	Date:
Joseph A. Montalbano	
John J. Senetar	Date:

PCT Application No. ______ filed _____

(Rev.03/20/2012)

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

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has been executed on even date herewith;
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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;
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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
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This assignment shall be construed, governed, interpreted and applied in accordance with the laws of the State of Delaware, United States of America.
PCT Application No filed
(Rev.03/20/2012)

PATENT REEL: 055687 FRAME: 0556 Mayou Moor

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

Maryann Maas Assistant Secretary – Patent UOP LLC		
EXECUTED as of the date(s) set forth below on behalf	of the ASSIGNOR:	
Richard A. Johnson II	Date: _	
Joseph A. Montalbano	Date: _	
September 1997	Date: _	12/15/17

PCT Application No. ______ filed _____

(Rev.03/20/2012)

PATENT REEL: 0**556**8**7** FRAME: 0**556**