PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

1.1 EPAS ID: PAT4861590

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ALEXANDRE VONNER	03/06/2018
DAMIEN LEINEKUGEL LE COCQ	03/07/2018
CATHERINE LAROCHE	03/05/2018
PASCAL ETIENNE	03/05/2018

RECEIVING PARTY DATA

Name:	IFP ENERGIES NOUVELLES
Street Address:	1 ET 4 AVENUE DE BOIS PREAU
City:	RUEIL-MALMAISON CEDEX
State/Country:	FRANCE
Postal Code:	92852

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15918222

CORRESPONDENCE DATA

Fax Number: (703)243-6410

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: 703-243-6333
Email: mail@mwzb.com

Correspondent Name: MILLEN, WHITE, ZELANO & BRANIGAN - AMB

Address Line 1: 2200 CLARENDON BLVD.

Address Line 2: SUITE 1400

Address Line 4: ARLINGTON, VIRGINIA 22201

NAME OF SUBMITTER: AUBREY M. BROOKS	
CICNATURE: (Aubrey M. Breeke)	
SIGNATURE: /Aubrey M. Brooks/	
DATE SIGNED: 03/12/2018	
This document serves as a	n Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

PATENT REEL: 045174 FRAME: 0638

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source=PET-3218_DualDecAssignment#page4.tif

Title of	PROCESS FOR THE SIMULATED MOVING BED SEPARATION OF XYLENES, AND OPTIMIZED OPERATING CONDITIONS
Invention	OPTIMIZED OPERATING CONDITIONS
As the below nan	ied inventor, I hereby declare that:
This declaration	The attached application, or
is directed to:	United States Application or PCT International Application numberfiled on
The above-identif	ied application was made or authorized to be made by me.
I believe that I an	the original inventor or an original joint inventor of a claimed invention in the application.
AND WHEREAS	
	IFP Energies Nouvelles 1 et 4 avenue de Bois Preau
	92852 Rueil-Malmaison Cedex France
all patent(s) listed	ed to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and above, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, all renewals, reissues, reexaminations and extensions thereof.
NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and patent(s), including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, and in and to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or to accrue with respect to the filing or securing of patents in the United States and/or any countries foreign thereto concerning said invention, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and patent, including any and all carlier priority rights (U.S. and foreign), divisions and continuations thereof, any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the right to sue for damages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made. AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States	
and foreign count	ries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to papers that may be needed in connection with securing Letters Patents thereon.
AND A	SSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on one and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.
The undersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this assignment information which may be necessary or desirable in order for the United States Patent and Trademark Office to properly record this document.	
	IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR
Thereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.	
LEGAL NAME OF INVENTOR	
	OF INVENTOR Alexandre VONNER Date: 06 03 20 18
Signature:	Notation of the second of the

Millen, White, Zelano & Branigan, P.C.
Attorners at Law
Arlington Courthouse Plaza
2200 Clarendon Boulevard | Suite 1400 | Arlington VA 2220 |
Telephone: 703.243.6333 | Fax: 703.243.6410
Email: mail@mwzb.com

DOCKET NO.: PET-3218

Title of Invention	PROCESS FOR THE SIMULATED MOVING BED SEPARATION OF XYLENES, AND OPTIMIZED OPERATING CONDITIONS
RHVERRRRR	OF TRIBLES OF EXCUSION COMPACIONS
As the below nan	ned inventor, I hereby declare that:
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I believe that I an	the original inventor or an original joint inventor of a claimed invention in the application.
AND WHEREAS	***************************************
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	92852 Rueil-Malmaison Cedex France
hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and all patent(s) listed above, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, including any and all renewals, reissues, reexaminations and extensions thereof.	
ASSIGNOR here right, title and int and all Letters Pathereof, and in an to accrue with res invention, SAID including any and which may be grapht to sue for darising from or agreewals, reissue representatives, it enjoyed the same AND A and foreign countexecute any other	WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, by assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive erest in and to said invention and patent(s), including any and all divisions and continuations thereof, and any tent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions d to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or spect to the filing or securing of patents in the United States and/or any countries foreign thereto concerning said ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and patent, it all earlier priority rights (U.S. and foreign), divisions and continuations thereof, any and all Letters Patent anted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the amages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise opertaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all s, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and if the assignment had not been made. ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States tries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to rappers that may be needed in connection with securing Letters Patents thereon.
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I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.	
LEGAL NAME	OF INVENTOR
Inventor:	Datte: The Date: The Date: The Date: Date: The Date: D
Signature:	

Millen, White, Zelano & Branigan, P.C.
Attorneys at Law
Arlington Courthouse Plaza
2200 Clarendon Boulevard | Suite 1400 | Arlington VA 2220 |
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	IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR
	acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by nent of not more than five (5) years, or both
LEGAL NAME (Inventor:	DF INVENTOR Catherine LAROCHE Date: 05/03/2018
Signature:	Carlo de Car

Millen, White, Zelano & Branigan, P.C.
Attorneys at Law
Arlington Courthouse Plaza
2200 Clarendon Boulevard | Suite 1400 | Arlington V a 2220 |
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Email: mail.@mwzb.com

DOCKET NO.: PET-3218

Invention	OPTIMIZED OPERATING CONDITIONS
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all patent(s) listed	IFP Energies Nouvelles 1 et 4 avenue de Bois Prenu 92852 Rueil-Malmaison Cedex France ed to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and above, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, all renewals, reissues, reexaminations and extensions thereof.
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LEGAL NAME O	FINVENTOR
Inventor: Pa	ascal ETIENNE / Date: 5/03/2018
Signature:	

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DOCKET NO.: PET-3218

PATENT REEL: 045174 FRAME: 0643

RECORDED: 03/12/2018