PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5561803

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BENJAMIN AMBLARD	05/03/2019
DANIEL FERRE	05/10/2019
JEAN-FRANCOIS LE COZ	05/20/2019

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:	16348222

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

ATTORNEY DOCKET NUMBER:	PET-3329
NAME OF SUBMITTER:	AUBREY M. BROOKS
SIGNATURE:	/Aubrey M. Brooks/
DATE SIGNED: 06/07/2019	
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

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PATENT 505514998 REEL: 049407 FRAME: 0287

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PATENT REEL: 049407 FRAME: 0288

7363/10/-W(EC)

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	NEW DEVICE FOR GAS-LIQUID SEPARATION, INTENDED FOR THREE-PHASE FLUIDISED BED REACTORS SUCH AS THOSE USED IN THE H-OIL PROCESS	
A 2 (6 a 6 a 6 a 6 a 6 a 6 a 6 a 6 a 6 a 6	AN LOUISING FRANKI AND SKILL	
As the below tran	ed inventor, I hereby declare that:	
This declaration	The attached application, or	
is directed to:	United States Application or PCT International Application number PCT/EP2017/077847 filed on October 31, 2017	
The above-identil	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 Neuvelles	
	1 et 4 avenue de Bois Preau	
	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 Pa thereof, and in an to accrue with resinvention, SAID including any and which may be graright to sue for dearising from or at renewals, reissue representatives, in	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 do to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or peet to the filling 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, I all earlier priority rights (U.S. and foreign), divisions and continuations thereof, any and all Letters Patent inted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the images 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 to 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.	
AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with securing Letters Patents thereon.		
AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on any and all divisions 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	
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. I consent to the publication, and retention for purposes of obtaining a patent, of the information herein.		
7 600 17 61 62 6	AP 18 ((P) 177 \ P	
LEGAL NAME		
Inventor:	Benjamin AMBLARD Date: (2)/(3)/(1")	
Signature:		

Millen, White, Zelano & Branigan, P.C.
Attorneys at Law
Arlington Courthouse Plaza
2200 Clarenian Boulevard (Suite 1400 (Arlington VA 2220)
Telephone: 703.243.6333 (Fax: 703.243.64)0
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DOCKET NO.: PET-3329

PATENT REEL: 049407 FRAME: 0289

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As the below named inventor, I hereby declare that:	
This declaration	
is directed to: United States Application or PCT International Application number PCT/EP2017/077847 filed on October 31, 2017	
The above-identified application was made or authorized to be made by me.	
I believe that I am 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 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.	
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 filling 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 earlier 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.	
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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. I consent to the publication, and retention for purposes of obtaining a patent, of the information herein.	
IEGAL NAME OF INVENTOR Joventor: Daniel FERRE Date: 10 Hay 2019	
Inventor: Daniel FERRE Date: 10 M 1164 2000	
Signature:	

Millen, White, Zelano & Branigan, P.C.
Attorneys at Law
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2200 Clarendon Bouleyard | Suite 1400 | Arlington VA 22201
Telephone: 703.243.6333 | Fax: 703.243.6410
Email: mail@mwzb.com

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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	S	
hersinaiter referre	IFP Energies Nouvelles 1 et 4 avenue de Bois Freau 92852 Rueil-Malmaison Cedex France at to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and	
	i above, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, i all renewals, reissues, reexaminations and extensions thereof.	
ASSIGNOR here right, title and int and all Lenters Pathereof, and in an to accrue with resinvention, SAID including any and which may be greeight to sue for dearising from or appenewals, reissues representatives, in	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 and therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the images occurring before the assignment, with all the rights, powers, privileges and advantages in anywise operationing 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 n 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.	
and foreign count	SSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States 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.	
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LEGAL NAME OF INVENTOR		
Inventor:	less-Prancois LE COZ Date: Day W W/G	
Signature:	the a	

Millen, White, Zelano & Branigan, P.C. Attornets at Law Arlington Courthouse Plaza 2200 Clarendon Houlevard | Suite 1400 | Arlington VA 22201 Telephone: 703.243.6333 | Fax: 703.243.6410 Email: Mah.@Mwzb.com

DOCKET NO.: PET-3329

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RECORDED: 06/07/2019