#### 505253747 12/27/2018

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

r1.1 EPAS ID: PAT5300518

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
CARINE PETIT-CLAIR	11/13/2018
PRISCILLA AVENIER	12/05/2018
MICHEL MARTIN	11/13/2018
MALIKA BOUALLEG	11/13/2018

#### **RECEIVING PARTY DATA**

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

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16305772

#### **CORRESPONDENCE DATA**

**Fax Number:** (703)243-6410

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Email: mail@mwzb.com

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

Address Line 1: 2200 CLARENDON BLVD.

Address Line 2: SUITE 1400

Address Line 4: ARLINGTON, VIRGINIA 22201

NAME OF SUBMITTER: ASHLEY BROOKSHIRE  SIGNATURE: /Ashley Brookshire/	
SIGNATURE: /Ashley Brookshire/	
Total trotter	
<b>DATE SIGNED:</b> 12/27/2018	
This document serves as an Oath/Declarat	on (37 CFR 1.63).

**Total Attachments: 4** 

PATENT REEL: 047857 FRAME: 0910

505253747

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PATENT REEL: 047857 FRAME: 0911

#### 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	METHOD FOR PREPARING A SELECTIVE HYDROGENATION CATALYST
Invention	
As the below nan	ned inventor, I hereby declare that:
This declaration	The attached application, or
is directed to:	United States Application or PCT International Application number <a href="PCT/EP2017/059640">PCT/EP2017/059640</a> filed on <a href="April 24, 2017">April 24, 2017</a>
The above-identi:	fied 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	
all patent(s) listed	IFP Energies nouvelles  1 & 4 avenue du Bois-Preau 92852, Rueil-Malmaison, France  ed 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 Letters Pa thereof, and in an to accrue with resinvention, SAID including any and which may be graright to sue for darising from or a 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 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, 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 temages 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 if the assignment had not been made.
and foreign count	ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States are for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to appears that may be needed in connection with securing Letters Patents thereon.
	ASSIGNOR 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.
	dersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this mation which may be necessary or desirable in order for the United States Patent and Trademark Office to his document.
	IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR
	y 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. I consent to the publication, and retention for purposes of obtaining formation herein.
LEGAL NAME (Inventor:	OF INVENTOR Carine PETIT-CLAIR Date: 13/11/2018
Signature:	1+40

MILLEN, WHITE, ZELANO & BRANIGAN, P.C. ATTORNEYS AT LAW ARLINGTON COURTHOUSE PLAZA 2200 CLARENDON BOULEVARD | SUITE 1400 | ARLINGTON VA 22201 TELEPHONE: 703.243.6333 | FAX: 703.243.6410

EMAIL: MAIL@MWZB.COM

#### 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	METHOD FOR PREPARING A SELECTIVE HYDROGENATION CATALYST
888468888888888888888888888888888888888	
As the below nan	ned inventor, I hereby declare that:
This declaration	The attached application, or
is directed to:	United States Application or PCT International Application number PCT/EP2017/059640 filed on April 24, 2017
The above-identit	fied 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 & 4 avenue du Bois-Preau 92852, Rueil-Malmaison, France
all patent(s) listed	to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and labove, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, lall 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 daarising from or aprenewals, reissue representatives, is enjoyed the same  AND A and foreign count execute 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 pect 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, 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 operations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal as a sample 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.  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.  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.
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	IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR
•	y acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by sent of not more than five (5) years, or both. I consent to the publication, and retention for purposes of obtaining formation herein.
LEGAL NAME (	500 T T T T T T T T T T T T T T T T T T
Inventor: I	Priscilla AVENIER Date: S/A2./A4
Signature.	Andrea

MILLEN, WHITE, ZELANO & BRANIGAN, P.C. ATTORNEYS AT LAW ARLINGTON COURTHOUSE PLAZA 2200 CLARENDON BOULEVARD | SUITE 1400 | ARLINGTON VA 22201 TELEPHONE: 703.243.63331FAX: 703.243.6410 EMAIL: MAIL@MWZB.COM

PET-3281

**PATENT REEL: 047857 FRAME: 0913** 

## 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	METHOD FOR PREPARING A SELECTIVE HYDROGENATION CATALYST
As the below nan	and inventor, I hereby declare that:
This declaration	The attached application, or
is directed to:	United States Application or PCT International Application number PCT/EP2017/059640 filed on April 24, 2017
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.
all patent(s) listed	IFP Energies nouvelies  1 & 4 avenue du Bois-Preau  92832, Rueil-Maimaison, France  ed to as the ASSIONEE, is desirous of acquiring the entire right, title, and interest in and to said invention and labove, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, lall 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 meluding any amount of may be gravight to sue for dearising from or a grenewals, 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 of 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, 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 operating thereto, for the different 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.
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	dersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this nation which may be necessary or desirable in order for the United States Patent and Trademark Office to his document.
	IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR
fine or imprisonn	y 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. I consent to the publication, and retention for purposes of obtaining formation herein.
LEGAL NAME	OF INVENTOR /5 */- / A
Inventor:	Michel MARTIN Date: 13 NOVEM 674 2018
Signature:	J. Tat

Millen, White, Zelang & Branigan, P.C. Attorneys at Law Arlinoton Courthouse Plaza 2200 Clarendon Boulevard (Suite 1400) Arlinoton VA 22201 Telephone: 703.243.6333 (Fax: 703.243.6410 Email: Mail@mwzr.com

BET-3281

# 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	METHOD FOR PREPARING A SELECTIVE HYDROGENATION CATALIST
As the below nam	ed inventor, I hereby declare that:
This declaration	The attached application, or
is directed to:	United States Application or PCT International Application number PCT/EP2017/059640 filed on April 24, 2017
	ried 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.
all patent(s) lister	IFP Energies nouvelles  1 & 4 avenue du Bois-Preau 92852, Rueil-Malmaison, France  ed to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and l above, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, all renewals, reissues, reexaminations and extensions thereof.
ASSIGNOR here right, title and int and all Letters Pathereof, and in an to accrue with resinvention, SAID including any and which may be graright to sue for drarising from or a renewals, reissue representatives, i enjoyed the same	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 stent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions at 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 thereficial a manner to all intents and purposes as the ASSIGNOR might or could have held and to the assignment had not been made.
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AND Any and all divisi	ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on ions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.
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fine or imprisons	by acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by ment of not more than five (5) years, or both. I consent to the publication, and retention for purposes of obtaining aformation herein.
	OF INVENTOR Malika BOUALLEG Date:
Signature:	

MILLEN, WHITE, ZELANO & BRANIGAN, P.C.
ATTORNEYS AT LAW
ARLINGTON COURTHOUSE PLAZA
2200 CLARENDON BOULEVARD | SUITE 1400 | ARLINGTON V A 22201
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PET-3281

PATENT REEL: 047857 FRAME: 0915