#### 504044638 10/11/2016

#### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

viesneet version v1.2

EPAS ID: PAT4091299

SUBMISSION TYPE:NEW ASSIGNMENTNATURE OF CONVEYANCE:ASSIGNMENT

#### **CONVEYING PARTY DATA**

| Name                 | Execution Date |
|----------------------|----------------|
| THIERRY CHAPUS       | 09/06/2016     |
| FREDERIC BAZER-BACHI | 09/16/2016     |
| ELODIE TELLIER       | 09/06/2016     |
| YVES SCHARFF         | 09/06/2016     |
| STEPHANE FEDOU       | 09/06/2016     |
| OCTAVIO CARVALHO     | 09/06/2016     |
| SEBASTIEN BOUCHER    | 09/06/2016     |

#### **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: | 15217071 |

#### 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-3097

NAME OF SUBMITTER: AUBREY M. BROOKS

SIGNATURE: /Aubrey M. Brooks/

DATE SIGNED: 10/11/2016

504044638 REEL: 039984 FRAME: 0332

This document serves as an Oath/Declaration (37 CFR 1.63).

#### **Total Attachments: 7**

source=CHAPUS#page1.tif

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source=SCHARFF#page1.tif

source=FEDOU#page1.tif

source=CARVALHO#page1.tif

source=BOUCHER#page1.tif

PATENT REEL: 039984 FRAME: 0333

| Title of<br>Invention   | AN OPTIMIZED GAS RECYCLE   |
|---|--|
| 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 15/217.071 filed on 07/22/2016   |
| The above-identif   | ied 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.   |
| all patent(s) listed  | IFP Energies Nouvelles 1 et 4 avenue de Bois Preau 92852 Rueil-Malmaison Cedex FRANCB d 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.   |
| ASSIGNOR herel right, title and into and all Letters Pat thereof, and in an to accrue with rest invention, SAID A including any and which may be graright to sue for datarising from or apprenewals, 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 crest in and to said invention and patent(s), including any and all divisions and continuations thereof, and any ent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions it 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 mages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise pertaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all reasonable 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 counts  | 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 multiorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on<br>one and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.   |
| The und assignment inform properly record th  | ersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this aution which may be necessary or desirable in order for the United States Patent and Trademark Office to is document.  |
|   | IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR   |
|   | acknowledge that any wilfful false statement made in this declaration is punishable under 18 U.S.C. 1001 by<br>Ear of not more than five (5) years, or both.   |
| LEGAL NAME O  |  |
| Inventor: T   | hierry CHAPUS Date: 9/9/2016   |
| /   |  |

Millen, White, Zelano & Brangan, P.C.
Attorneys at Law
Arlegton Courthouse Plaza
2200 Clarendon Boulevard (Suite 1400 (Arlegton VA 2220)
Telephone: 703.243.6333 (Fax: 703.243.6410
Email: Mail:@mwzb.com

DOCKET NO.: PET-3097

PATENT REEL: 039984 FRAME: 0334

| Title of   | PROCESS FOR THE HYDROTREATMENT OF RENEWABLE MATERIALS, WITH   |
|--|---|
| Invention  | AN OPTIMIZED GAS RECYCLE  |
| 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 15/217,071 filed on 07/22/2016  |
| The above-identif  | ied 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.  |
| all patent(s) listed   | IFP Energies Nouvelles  1 et 4 avenue de Bois Preau  92852 Rueil-Malmaison Cedex FRANCE  d 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.   |
| ASSIGNOR herefright, title and interact and all Letters Patthereof, and in and to accrue with respinyention, SAID Aincluding any and which may be granight to sue for darrising from or aprenewals, reissues representatives, in | MITNESSETH 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 stress in and to said invention and patent(s), including any and all divisions and continuations thereof, and any ent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions it to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or sect 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 mied therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the mages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise pertaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all a reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal 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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|  | SSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on<br>ns and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.  |
|  | ersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this ation which may be necessary or desirable in order for the United States Patent and Trademark Office to is document.  |
|  | IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR  |
| I hereby<br>fine or imprisonme   | acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by<br>ent of not more than five (5) years, or both.  |
| LEGAL NAME O   | FINVENTOR  sederic BAZER-BACHI Date: 16/00/2016   |
| Signsture:   |   |

Millen, White, Zelano & Branigan, P.C.
Attorneys at Law
Arlington Courtbouse Plaza
2200 Clarendon Boulevard | Suite 1400 | Arlington VA 22201
Telephone: 703-243.6333 | Fax: 703.243.6410
Email: mail@mwzb.com

DOCKET NO.: FET-3097

| Title of  | PROCESS FOR THE HYDROTREATMENT OF RENEWABLE MATERIALS, WITH   |
|---|---|
| Invention   | AN OPTIMIZED GAS RECYCLE  |
|   | 22 - 23 1 4 2 4 5 4 6 5   |
| As the below nam  | ed inventor, I hereby declare that:   |
| This declaration  | The anached application, or   |
| is directed to:   | United States Application or PCT International Application number 15/217.071 filed on 07/22/2016  |
| The above-identif   | ied 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.  |
| all patent(s) listed  | IFP Energies Nouvelles  1 et 4 avenue de Bois Preau 92852 Rueil-Malmaison Cedex FRANCE d 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.   |
| ASSIGNOR herekright, title and interand all Letters Pat thereof, and in and to accrue with respondention, SAID fincluding any and which may be grantight to sue for danatising from or apprenewals, 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 mest in and to said invention and patent's), including any and all divisions and continuations thereof, and any ent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions. It to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or sect 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, all earlier priority rights (O.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 pertaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal 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 countr  | SSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States<br>ies for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to<br>papers that may be needed in connection with securing Letters Patents thereon.   |
| AND AS<br>any and all divisio   | SSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on<br>as and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.  |
|   | ersigned hereby gramt(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this lation which may be necessary or desirable in order for the United States Patent and Trademark Office to is document.   |
|   | 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 ent of not more than five (5) years, or both.   |
| LEGAL NAME O  | FINVENTOR   |
|   | to INVENTOR  Todie TELLIER  Date: 06 09 16  |
| Signature:  | Latter .  |

Millen, White, Zelamo & Branigan, P.C. Attorneys at Law Arlington Courthouse Plaza 2200 Clarendon Boulevard | Suite 1400 | Arlington VA 22261 Telephone: 703.243.6333 | Fax: 703.243.6410 Email: Mail:@mwzb.com

DOCKET NO.: PET-3697

PATENT REEL: 039984 FRAME: 0336

| Title of PROCESS FOR THE HYDROTREATMENT OF RENEWABLE MATERIALS, WITH AN OPTIMIZED GAS RECYCLE   |
|---|
| As the below named inventor, I hereby declars that:   |
| This declaration  |
| is directed to: United States Application or PCT International Application number 15/217.071 filed on 07/22/2016  |
| 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.  |
| IFP Energies Nouvelles  I et 4 avenue de Bois Preau  92852 Rueil-Malmaison Cedex FRANCE  hereinafter referred to as the ASSIGNEE, is desirous of sequiring 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 hereof, and in and to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or accrue with respect to the filing or securing of patents in the United States and/or any countries foreign thereto concerning said avention, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and patent, neluding 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 using from or appertaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all enewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal epresentatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and injoyed the same, if the assignment had not been made. |
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| AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on many 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 ssignment 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<br>ine or imprisonment of not more than five (5) years, or both.   |
| GOAL NAME OF INVENTOR overtor: Yves SCHARFF Date: 06/00/2016  |
| ignature:   |
|   |

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

BOCKET NO.: PET-3897

| Title of<br>Invention  | PROCESS FOR THE HYDROTREATMENT OF RENEWABLE MATERIALS, WITH AN OPTIMIZED GAS RECYCLE   |
|--|--|
| **** * ********************************  | THE CALL STANDED COLOR C |
| 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 15/217,071 filed on 07/22/2016   |
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| 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 Nouvelles 1 et 4 avenue de Bois Preau 52852 Rueil-Malmaison Cedex FRANCE d 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.   |
| ASSIGNOR hereinght, title and into and all Letters Pat thereof, and in and to accure with resinvention, SAID a including any and which may be granight to sue for darrising from or aprenewals, 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 arest 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 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 need therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the mages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise pertaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all , reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal 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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|  | 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 ent of not more than five (5) years, or both.  |
| LEGAL NAME O   | F INVENTOR   |
| Inventor: S  | tephane FEDOU Date: 06/03/2016   |
| Signature:   |  |

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

DOCKET NO.: PET-3097

| Title of<br>Invention  | PROCESS FOR THE HYDROTREATMENT OF RENEWABLE MATERIALS, WITH AN OPTIMIZED GAS RECYCLE   |
|--|--|
| 111 VERLENCES  | AN OF EBBIEDIA COURT WEST LOTTE.   |
| As the below name  | ied inventor, I hereby declare that:   |
| This declaration   | The snached application, or  |
| is directed to:  | United States Application or PCT International Application number 15/217.071 filed on 07/22/2016   |
| The above-identif  | ied 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 Freau   |
|  | 92852 Rueil-Malmaison Cedex FRANCE   |
|  | d to as the ASSIONEE, is desirous of acquiring the entire right, title, and interest in and to said invention and  |
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| ms çaz zmandik   | di resewas, ressues, recassinations and exicusions insicor.  |
| 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.  AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States |  |
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| LEGAL NAME O   | FINVENTOR  |
| Inventor: O  | ctavio CARVALHO Date: O6/09/2016   |
| Signature:   | OL LUC. CL   |

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

DOCKET NO.: PET-3897

| Invention A  | NOTES FOR THE HYDROTREATMENT OF RENEWABLE MATERIALS, WITH NOTEMIZED GAS RECYCLE   |
|--|---|
| As the below named   | inventor, I hereby declare that:  |
| This declaration   | The attached application, or  |
| is directed to:  | United States Application or PCT International Application number 15/217,071 filed on 07/22/2016  |
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| LEGAL NAME OF I  | NVENTOR stien BOUCHER, Date: 06/04/2016   |
| Signature:   | Stachet //  |

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

DOCEST NO.: PET-3697

PATENT REEL: 039984 FRAME: 0340

**RECORDED: 10/11/2016**