

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Nikolai Nesterenko | 03/14/2011 |
| Walter Vermeiren | 03/11/2011 |
| Giacomo Grasso | 03/16/2011 |
| Sander Van Donk | 03/10/2011 |
| Wolfgang Garcia | 03/14/2011 |
| RECEIVING PARTY DATA | |
| Name: | TOTAL PETROCHEMICALS RESEARCH FELUY |
| Street Address: | Zone Industrielle C |
| City: | Seneffe (Feluy) |
| State/Country: | BELGIUM |
| Postal Code: | B-7181 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 13000387 |
| CORRESPONDENCE DATA | |
| Fax Number: | (713)483-5384 |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | |
| Phone: | 713-483-5379 |
| Email: | michelle.hayden@total.com |
| Correspondent Name: | FINA TECHNOLOGY, INC. |
| Address Line 1: | P.O. Box 674412 |
| Address Line 4: | HOUSTON, TEXAS 77267-4412 |
| ATTORNEY DOCKET NUMBER: | F-1174 |
| NAME OF SUBMITTER: | David J. Alexander |
| Total Attachments: 14 | |

CH \$40.00 13000387

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**PATENT
 REEL: 026541 FRAME: 0336**

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(Nesterenko - Vermeiren - Grasso - Van Donk - Garcia)

ASSIGNMENT**INVENTION IDENTIFICATION**

Application Serial No.: 13/000,387

Title: **PROCESS TO MAKE OLEFINS FROM ORGANICS**Atty. Dkt. No.: **F-1174**

Filed: December 21, 2010

ASSIGNEE IDENTIFICATIONAssignee: **TOTAL PETROCHEMICALS RESEARCH FELUY**Incorporation: **BELGIUM**Address: **Zone Industrielle C, BE-7181 Seneffe (Feluy), Belgium**

Now, therefore, in consideration of good and valuable consideration acknowledged by the Assignors to have been received in full from the Assignees:

1. The assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to the Application and the Invention; (b) in and to all rights to apply for patents on the Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on the Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a division, substitution or continuation of the Application; and (d) in and to each and every reissue or extension of any of the Patents.

2. The Assignors hereby covenant and agree to cooperate with the Assignee to enable the Assignee to enjoy to the fullest extent the right, title and interest to the Invention herein conveyed in any and all countries and groups of countries. Such cooperation by the Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers and other assistance all to the extent deemed necessary or desirable by the Assignee (a) for perfecting in the Assignee the right, title and interest herein conveyed; (b) for prosecuting any of the Applications; (c) for filing and prosecuting substitute, divisional, continuing or additional application covering the Invention; (d) for filing and prosecuting applications for reissuance of any of the patents; and (f) for legal proceedings involving the Invention and any application therefore and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by the Assignors in providing such cooperation shall be paid for by the Assignee.

(Nesterenko - Vermeiren - Grasso - Van Donk - Garcia)

Giacomo Grasso
GRASSO Giacomo

14-3-2011
Date

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BEFORE ME, the undersigned authority, on this ___ day of _____, ___ personally appeared the person whose name is subscribed to the foregoing instrument and acknowledged to me that they executed the same of their own free will for the purposes and consideration therein expressed.

Le soussigné Denis GILBEAU, notaire
résidant à 7170 Manage, certifie
la signature apposée ci-avant de
Monsieur GRASSO GIACOMO

Notary Public



Fait à Manage, le 14 mars 2011.

VAN DONK Sander

07.11.17

Date

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BEFORE ME, the undersigned authority, on this ___ day of _____, ___ personally appeared the person whose name is subscribed to the foregoing instrument and acknowledged to me that they executed the same of their own free will for the purposes and consideration therein expressed.

Notary Public

W. Garcia
GARCIA Wolfgang

14-03-2011
Date

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BEFORE ME, the undersigned authority, on this ___ day of _____, ___ personally appeared the person whose name is subscribed to the foregoing instrument and acknowledged to me that they executed the same of their own free will for the purposes and consideration therein expressed.

Le soussigné Denis GILBEAU, notaire résidant à 7170 Manage, certifie la signature apposée ci-avant de Monsieur GARCIA WOLFGANG

Fait à Manage, le 14 mars 2011.



(Assignment ends with this page)

07-11-17

APOSTILLE

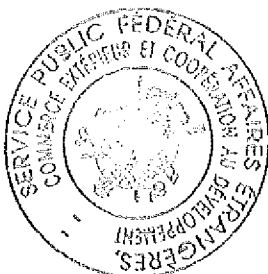
(Convention de La Haye du 5 octobre 1961)

- 1. Pays: Belgique
- 2. Le présent acte public a été signé par: Gilbeau, Denis
- 3. Agissant en qualité de: Notaire
- 4. Est revêtu du sceau / timbre de: Notaire
Manage

Attesté

- 5. A Bruxelles
- 6. Le: 28/06/2011
- 7. Par le Service public fédéral Affaires étrangères, Commerce extérieur et Coopération au Développement
- 8. Sous le n°: 9805110628095028
- 9. Sceau/timbre:

10. Signature:



D. Buleke
Buleke Dominique

(Nesterenko - Vermeiren - Grasso - Van Donk - Garcia)

ASSIGNMENT

INVENTION IDENTIFICATION

Application Serial No.: 13/000,387
Title: **PROCESS TO MAKE OLEFINS FROM ORGANICS**
Atty. Dkt. No.: F-1174
Filed: December 21, 2010

ASSIGNEE IDENTIFICATION

Assignee: **TOTAL PETROCHEMICALS RESEARCH FELUY**
Incorporation: **BELGIUM**
Address: **Zone Industrielle C, BE-7181 Seneffe (Feluy), Belgium**

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1. The assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to the Application and the Invention; (b) in and to all rights to apply for patents on the Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on the Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a division, substitution or continuation of the Application; and (d) in and to each and every reissue or extension of any of the Patents.

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(Nesterenko - Vermeiren - Grasso - Van Donk - Garcia)

3. The term and covenants of this agreement shall inure to the benefit of the Assignee, its successors, assigns and other legal representatives and shall be binding upon the Assignors, their respective heirs, legal representatives and assigns.

4. The assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract or understanding in conflict herewith.

IN WITNESS WHEREOF, the undersigned have executed and delivered this instrument to the Assignee on the dates indicated below.

NESTERENKO Nikolai

Date

§
§

BEFORE ME, the undersigned authority, on this ____ day of _____, ____ personally appeared the person whose name is subscribed to the foregoing instrument and acknowledged to me that they executed the same of their own free will for the purposes and consideration therein expressed.

Notary Public



VERMEIREN Walter

17/03 2011

Date

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BEFORE ME, the undersigned authority, on this ____ day of _____, ____ personally appeared the person whose name is subscribed to the foregoing instrument and acknowledged to me that they executed the same of their own free will for the purposes and consideration therein expressed.

Le soussigné Denis GILBEAU, notaire résidant à 7170 Manage, certifie la signature apposée ci-avant de Monsieur VERMEIREN Walter

Notary Public



Fait à Manage, le 11 mars 2011
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7

(Nesterenko - Vermeiren - Grasso - Van Donk - Garcia)

3. The term and covenants of this agreement shall inure to the benefit of the Assignee, its successors, assigns and other legal representatives and shall be binding upon the Assignors, their respective heirs, legal representatives and assigns.

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NESTERENKO Nikolai

Date

APOSTILLE

(Convention de La Haye du 5 octobre 1961)

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- 2. Le présent acte public a été signé par: Gilbeau, Denis
- 3. Agissant en qualité de: Notaire
- 4. Est revêtu du sceau / timbre de: Notaire
Manage

ng instrument and
I for the purposes

Attesté

- 5. A Bruxelles
- 6. Le: 28/06/2011
- 7. Par le Service public fédéral Affaires étrangères, Commerce extérieur et Coopération au Développement
- 8. Sous le n°: **9805110628094927**
- 9. Sceau/timbre:

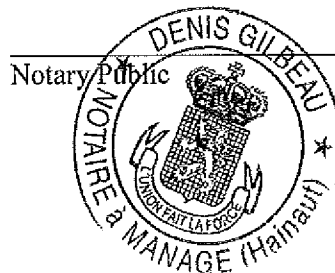
10. Signature:

Buleke Dominique



BEFORE ME, the undersigned authority, on this ___ day of _____, personally appeared the person whose name is subscribed to the foregoing instrument and acknowledged to me that they executed the same of their own free will for the purposes and consideration therein expressed.

Le soussigné Denis GILBEAU, notaire résidant à 7170 Manage, certifie la signature apposée ci-avant de Monsieur VERNEIREN Walter



Fait à Manage, le 11 mars 2011

PATENT

REEL: 026541 FRAME: 0344

(Nesterenko - Vermeiren - Grasso - Van Donk - Garcia)

GRASSO Giacomo

Date

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BEFORE ME, the undersigned authority, on this ____ day of _____, _____
personally appeared the person whose name is subscribed to the foregoing instrument and
acknowledged to me that they executed the same of their own free will for the purposes
and consideration therein expressed.

Notary Public

VAN DONK Sander

Date

§
§

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personally appeared the person whose name is subscribed to the foregoing instrument and
acknowledged to me that they executed the same of their own free will for the purposes
and consideration therein expressed.

Notary Public

(Nesterenko - Vermeiren - Grasso - Van Donk - Garcia)

GARCIA Wolfgang

Date

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§

BEFORE ME, the undersigned authority, on this ____ day of _____, _____ personally appeared the person whose name is subscribed to the foregoing instrument and acknowledged to me that they executed the same of their own free will for the purposes and consideration therein expressed.

Notary Public

(Assignment ends with this page)

(Nesterenko - Vermeiren - Grasso - Van Donk - Garcia)

ASSIGNMENT**INVENTION IDENTIFICATION**

Application Serial No.: 13/000,387

Title: **PROCESS TO MAKE OLEFINS FROM ORGANICS**Atty. Dkt. No.: **F-1174**

Filed: December 21, 2010

ASSIGNEE IDENTIFICATIONAssignee: **TOTAL PETROCHEMICALS RESEARCH FELUY**Incorporation: **BELGIUM**Address: **Zone Industrielle C, BE-7181 Seneffe (Feluy), Belgium**

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1. The assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to the Application and the Invention; (b) in and to all rights to apply for patents on the Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on the Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a division, substitution or continuation of the Application; and (d) in and to each and every reissue or extension of any of the Patents.

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(Nesterenko - Vermeiren - Grasso - Van Donk - Garcia)

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NESTERENKO Nikolai

Date

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Notary Public

VERMEIREN Walter

Date

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BEFORE ME, the undersigned authority, on this ___ day of _____, ___ personally appeared the person whose name is subscribed to the foregoing instrument and acknowledged to me that they executed the same of their own free will for the purposes and consideration therein expressed.

Notary Public

GRASSO Giacomo

Date

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BEFORE ME, the undersigned authority, on this ___ day of _____, personally appeared the person whose name is subscribed to the foregoing instrument and acknowledged to me that they executed the same of their own free will for the purposes and consideration therein expressed.

Notary Public

VAN DONK Sander

10/03/2011

Date

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BEFORE ME, the undersigned authority, on this ___ day of _____, personally appeared the person whose name is subscribed to the foregoing instrument and acknowledged to me that they executed the same of their own free will for the purposes and consideration therein expressed.

Notary Public

Le soussigné Denis GILBEAU, notaire résidant à 7170 Manage, certifie la signature apposée ci-avant de Monsieur VAN DONK Sander

Fait à Manage, le 10 mars 2011.



APOSTILLE

(Convention de La Haye du 5 octobre 1961)

1. Pays: Belgique
2. Le présent acte public a été signé par: Gilbeau, Denis
3. Agissant en qualité de: Notaire
4. Est revêtu du sceau / timbre de: Notaire
Attesté Manage

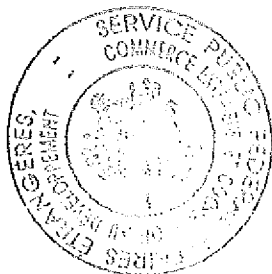
5. A Bruxelles
6. Le: 28/06/2011
7. Par le Service public fédéral Affaires étrangères, Commerce extérieur et Coopération
au Développement

8. Sous le n°: **9805110628094826**
9. Sceau/timbre:

10. Signature:



Bulcke Dominique



PATENT
REEL: 026541 FRAME: 0350

(Nesterenko - Vermeiren - Grasso - Van Donk - Garcia)

GARCIA Wolfgang

Date

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BEFORE ME, the undersigned authority, on this ____ day of _____, ____ personally appeared the person whose name is subscribed to the foregoing instrument and acknowledged to me that they executed the same of their own free will for the purposes and consideration therein expressed.

Notary Public

(Assignment ends with this page)