

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3183820

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ELS JANSSENS	08/19/2014
LAURENT AVAULLEE	09/29/2014
MARC RICHET	08/22/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TOTAL RESEARCH & TECHNOLOGY FELUY
<b>Street Address:</b>	ZONE INDUSTRIELLE C
<b>City:</b>	SENEFFE (FELUY)
<b>State/Country:</b>	BELGIUM
<b>Postal Code:</b>	B-7181
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14374633
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(832)830-8958
<i>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.</i>	
<b>Phone:</b>	2819743458
<b>Email:</b>	ramos@al-ip.com
<b>Correspondent Name:</b>	ADOLPH LOCKLAR
<b>Address Line 1:</b>	4615 SOUTHWEST FREEWAY
<b>Address Line 2:</b>	SUITE 630
<b>Address Line 4:</b>	HOUSON, TEXAS 77027
<b>ATTORNEY DOCKET NUMBER:</b>	F-1318
<b>NAME OF SUBMITTER:</b>	BLANCA RAMOS
<b>SIGNATURE:</b>	/Michael Locklar/
<b>DATE SIGNED:</b>	01/15/2015
<b>Total Attachments: 12</b>	
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## ASSIGNMENT

### INVENTION IDENTIFICATION

Application Serial No.: 14/374,633

Title: PROCESS FOR PURGING PROPANE IN A POLYPROPYLENE  
MANUFACTURING PROCESS

Atty. Dkt. No.: F-1318

Filed on July 25, 2014, as a national phase application of International Application No. PCT/EP2013/051362, with an international filing date of January 24, 2013, which claimed priority benefits of EP 12152650.3 filed January 26, 2012.

### ASSIGNEE IDENTIFICATION

Assignee: **Total Research & Technology Feluy**

Incorporation: **Belgium**

Address: **Zone Industrielle C, B-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 Assignee:

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.

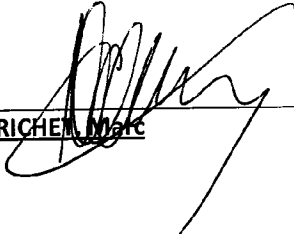
2. The Assignors hereby covenant and agree to cooperate with the Assignee to enable the Assignee to enjoy to the fullest extent the right, title and interest to the Invention herein conveyed in any and all countries and groups of countries. Such cooperation by the Assignors shall include prompt production 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.

**RICHET Marc - AVAULLEE Laurent - JANSSENS Els**

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.

  
RICHET Marc

22/08/2014  
 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.



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

\_\_\_\_\_  
 Notary Public

fait à Manage, le 22 août 2014

AVAULLEE, Laurent

07.11.17  
 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

RICHET Marc - AVAULLEE Laurent - JANSSENS Els

\_\_\_\_\_  
JANSSENS, Els

\_\_\_\_\_  
Date

BEFORE ME, the undersigned authority, on this \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_  
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\_\_\_\_\_  
Notary Public

(Assignment ends with this page)

## 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: 06/01/2015
7. Par le Service public fédéral Affaires étrangères, Commerce extérieur et Coopération  
au Développement
8. Sous le n°: **9805150106989742**
9. Sceau/timbre:

10. Signature:



PATENT

REEL: 034722 FRAME: 0521

## ASSIGNMENT

### INVENTION IDENTIFICATION

Application Serial No.: 14/374,633

Title: PROCESS FOR PURGING PROPANE IN A POLYPROPYLENE  
MANUFACTURING PROCESS

Atty. Dkt. No.: F-1318

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Assignee: Total Research & Technology Feluy

Incorporation: Belgium

Address: Zone Industrielle C, B-7181 Seneffe (Feluy), Belgium

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RICHET Marc - AVAULLEE Laurent - JANSSENS Els

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\_\_\_\_\_  
RICHET, Marc

\_\_\_\_\_  
 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

  
 \_\_\_\_\_  
AVAULLEE, Laurent

29/09/2014  
 \_\_\_\_\_  
 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.



Le soussigné Denis GILBEAU, notaire  
 résidant à 7170 Manage, certifie  
 la signature apposée ci-avant de  
 Monsieur AVAULLEE Laurent —

\_\_\_\_\_  
 Notary Public

9.167



\_\_\_\_\_  
**JANSSENS, Els**

\_\_\_\_\_  
Date

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### Attesté

5. A Bruxelles
6. Le: 06/01/2015
7. Par le Service public fédéral Affaires étrangères, Commerce extérieur et Coopération  
au Développement
8. Sous le n°: **9805150106989641**
9. Sceau/timbre:

10. Signature:



PATENT

REEL: 034722 FRAME: 0525

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**RICHET Marc - AVAULLEE Laurent - JANSSENS Els**

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\_\_\_\_\_  
Date

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\_\_\_\_\_  
Notary Public

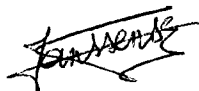
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\_\_\_\_\_  
Date

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\_\_\_\_\_  
Notary Public

RICHET Marc - AVAULLEE Laurent - JANSSENS Els


JANSSENS, Els19.08.2014.

Date

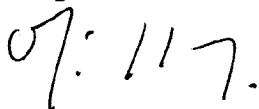
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and consideration therein expressed.



Le soussigné Denis GILBEAU, notaire  
résidant à 7170 Manage, certifie  
la signature apposée ci-avant de  
Madame JANSSENS Els \_\_\_\_\_

Notary Public

Fait à Manage, le 19 août 2014



(Assignment ends with this page)

## APOSTILLE

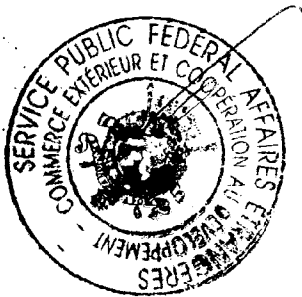
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5. A Bruxelles
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au Développement
8. Sous le n°: **9805150106989843**
9. Sceau/timbre:

10. Signature:



Jan Van de Velde

