PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5935016

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ROMAIN LESAGE	01/28/2020
SEBASTIEN DECKER	01/15/2020
JEAN-CHRISTOPHE RABOIN	01/15/2020
YOUEN KERNEUR	01/15/2020

RECEIVING PARTY DATA

Name:	TOTAL RAFFINAGE CHIMIE
Street Address:	2, PLACE JEAN MILLIER
Internal Address:	LA DÉFENSE 6
City:	COURBEVOIE
State/Country:	FRANCE
Postal Code:	F-92400

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16496862

CORRESPONDENCE DATA

Fax Number: (832)830-8958

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: 2819743458 Email: ramos@AL-IP.com

Correspondent Name: ADOLPH LOCKLAR

4615 SOUTHWEST FREEWAY Address Line 1:

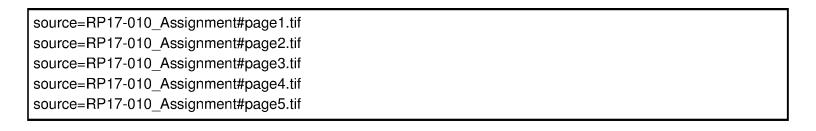
SUITE 630 Address Line 2:

Address Line 4: HOUSTON, TEXAS 77027

ATTORNEY DOCKET NUMBER:	RP17-010
NAME OF SUBMITTER:	BLANCA RAMOS
SIGNATURE:	/Michael Locklar/
DATE SIGNED:	01/29/2020
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Total Attachments: 5

PATENT REEL: 051656 FRAME: 0534



PATENT REEL: 051656 FRAME: 0535

ASSIGNMENT

INVENTION IDENTIFICATION

Application Serial No.: 16/496,862

Title: FCC UNIT CHARGE INJECTION DEVICE WITH LIMITED PRESSURE DROP

Atty. Dkt. No.: RP17-010 Filed: September 23, 2019

ASSIGNEE IDENTIFICATION

Assignee: TOTAL RAFFINAGE CHIMIE

Incorporation: France

Address: 2, Place Jean Millier La Défense 6, Courbevoie France 92400

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.
- 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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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.

4	28/01/12020
Romain LESAGE	Date
Sebastien DECKER	Date
Jean-Christophe RABOIN	 Date
Youen KERNEUR	Date
(Assignment ends with this page)	

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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.

Romain LESAGE	Date
Sebastien DECKER	Jamery R. 15th Lolo Date
ornamica projectiva.	Date
Jean-Christophe RABOIN	Date
Youen KERNEUR	Date
(A scienment and with this name)	

 The Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract or understanding in conflict herewith. 		ter
IN WITNESS WHEREOF, the undersign Assignee on the dates indicated below.	ed have executed and delivered this instrument to t	.be
Romain LESAGE	Date	
Sebastien DECKER	Date	
Jean-Christophe RABOIN	January 15, 2020 Date	
Youen KERNEUR	Date	
(Assignment ends with this page)		

4. The Assignors hereby warrant a into any assignment, contract or underst	nd represent that they have not entered and will not enter anding in conflict herewith.
IN WITNESS WHEREOF, the undersi Assignee on the dates indicated below.	igned have executed and delivered this instrument to the
Romain LESAGE	Date

Sebastien DECKER

Date

Jean-Christophe RABOIN

201.020000

Date

Youen KERNEUR

15/01/10Date

(Assignment ends with this page)