

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>JUAN-DAVID LLAMAS</td> <td>01/30/2014</td> </tr> <tr> <td>GUILLAUME BERRIC</td> <td>01/30/2014</td> </tr> </tbody> </table>		Name	Execution Date	JUAN-DAVID LLAMAS	01/30/2014	GUILLAUME BERRIC	01/30/2014
Name	Execution Date						
JUAN-DAVID LLAMAS	01/30/2014						
GUILLAUME BERRIC	01/30/2014						
RECEIVING PARTY DATA							
Name:	TOTAL RAFFINAGE FRANCE						
Street Address:	2 PLACE JEAN MILLIER, LA DEFENSE						
City:	COURBEVOIE						
State/Country:	FRANCE						
Postal Code:	92400						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14232494</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14232494		
Property Type	Number						
Application Number:	14232494						
CORRESPONDENCE DATA							
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ATTORNEY DOCKET NUMBER:	Q209189						
NAME OF SUBMITTER:	ERIN HARNETT, NEW APPLICATION SPECIALIST						
Signature:	/Erin Harnett/						
Date:	02/14/2014						
Total Attachments: 1 source=Assignment_Executed_as_filed#page1.tif							

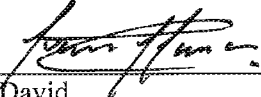
## Assignment

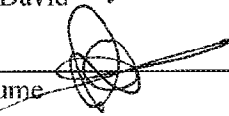
Whereas, We, (1) LLAMAS Juan-David (2) BERRIC Guillaume (1) 72 quai de Lamblardie F-76600 Le Havre (France) (2) 1 Rue Jacques Louer F-76290 Fontaine-la-Mallet (France) respectively, hereinafter called assignors, have invented certain improvements in **REGENERATOR FOR CATALYTIC CRACKING UNIT WITH EXTERNAL CYCLONES** and executed an application for Letters Patent of the United States of America therefore on \_\_\_\_\_, Application No.  
and

Whereas, TOTAL RAFFINAGE FRANCE 2 Place Jean Millier, La Défense, 92400 Courbevoie - France (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefore;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

We, the above named assignors, hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including the right to claim priority under 35 U.S.C. §119, and we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

Date: 30/01/2014   
s/ LLAMAS Juan-David

Date: 30/01/2014   
s/ BERRIC Guillaume

Date: 1  
s/

Date: \_\_\_\_\_  
s/

Date: \_\_\_\_\_  
s/

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)