

PATENT ASSIGNMENT

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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>Thierry GAUTHIER</td> <td>02/09/2012</td> </tr> <tr> <td>Ali HOTEIT</td> <td>02/09/2012</td> </tr> <tr> <td>Ann FORRET</td> <td>02/09/2012</td> </tr> </tbody> </table>		Name	Execution Date	Thierry GAUTHIER	02/09/2012	Ali HOTEIT	02/09/2012	Ann FORRET	02/09/2012				
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<table border="1"> <tr> <td>Name:</td> <td>IFP Energies nouvelles</td> </tr> <tr> <td>Street Address:</td> <td>1 et 4 avenue de Bois Preau</td> </tr> <tr> <td>City:</td> <td>RUEIL-MALMAISON CEDEX</td> </tr> <tr> <td>State/Country:</td> <td>FRANCE</td> </tr> <tr> <td>Postal Code:</td> <td>92852</td> </tr> </table>		Name:	IFP Energies nouvelles	Street Address:	1 et 4 avenue de Bois Preau	City:	RUEIL-MALMAISON CEDEX	State/Country:	FRANCE	Postal Code:	92852		
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Application Number:	13383890												
CORRESPONDENCE DATA													
Fax Number:	(703)312-6666												
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Correspondent Name:	ANTONELLI, TERRY, STOUT & KRAUS, LLP												

OP \$40.00 13383890

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Address Line 4: ARLINGTON, VIRGINIA 22209-3873

ATTORNEY DOCKET NUMBER:	612.52152X00
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NAME OF SUBMITTER:	Alan E. Schiavelli
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Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif
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ASSIGNEMENT

WHEREAS the below named inventor (if only one inventor is named below) or inventors (if plural inventors are named below) hereinafter referred to as the ASSIGNOR invented a certain improvement relating to

- for which an application for Letters Patent to be filed in the United States Patent and Trademark Office was executed on even date
- for which U.S. Application Serial No 13/383,890 for Letters Patent was filed in the U.S. Patent and Trademark Office on 30 Juin 2010
- for which an International 30 juin 2010 as PCT/FR2010/000476 designating the United States Application was filed on

AND WHEREAS **IFP Energies nouvelles**
Address: 1 et 4 avenue de Bois Préau
92852 RUEIL-MALMAISON CEDEX
FRANCE

TOTAL SA
Address: Tour Coupole,
2, place Jean Millier
La Défense 6
92400 COURBEVOIE

hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, 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 application, 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 priority and/or convention rights or benefits accruing or to accrue with respect to the filing or securing of patents in the United States and/or any countries foreign thereto, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and application, 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, 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 when granted, 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 and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with filing said applications and securing Letters Patents thereon.

AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on said application, and on any 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 Antonelli, Terry, Stout, Kraus, LLP the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR.

201	FULL NAME OF SOLE OR FIRST NAMED INVENTOR	INVENTOR'S SIGNATURE	DATE
	GAUTHIER Thierry		09/02/2012
202	FULL NAME OF SECOND JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
	HOTEIT Ali		
203	FULL NAME OF THIRD JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
	FORRET Ann		09/02/12
204	FULL NAME OF FOURTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE

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