

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Philippe Pagnier</td> <td>10/13/2008</td> </tr> <tr> <td>Abdul Rahman Akhras</td> <td>06/04/2007</td> </tr> <tr> <td>Regis Vilagines</td> <td>03/30/2009</td> </tr> <tr> <td>Jean Falcimaigne</td> <td>11/03/2008</td> </tr> </tbody> </table>		Name	Execution Date	Philippe Pagnier	10/13/2008	Abdul Rahman Akhras	06/04/2007	Regis Vilagines	03/30/2009	Jean Falcimaigne	11/03/2008		
Name	Execution Date												
Philippe Pagnier	10/13/2008												
Abdul Rahman Akhras	06/04/2007												
Regis Vilagines	03/30/2009												
Jean Falcimaigne	11/03/2008												
<b>RECEIVING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>INSTITUT FRANCAIS DU PETROLE</td> </tr> <tr> <td>Street Address:</td> <td>1 &amp; 4 avenue de Bois-Preau</td> </tr> <tr> <td>Internal Address:</td> <td>RUEIL MALMAISON</td> </tr> <tr> <td>City:</td> <td>CEDEX</td> </tr> <tr> <td>State/Country:</td> <td>FRANCE</td> </tr> <tr> <td>Postal Code:</td> <td>92852</td> </tr> </table>		Name:	INSTITUT FRANCAIS DU PETROLE	Street Address:	1 & 4 avenue de Bois-Preau	Internal Address:	RUEIL MALMAISON	City:	CEDEX	State/Country:	FRANCE	Postal Code:	92852
Name:	INSTITUT FRANCAIS DU PETROLE												
Street Address:	1 & 4 avenue de Bois-Preau												
Internal Address:	RUEIL MALMAISON												
City:	CEDEX												
State/Country:	FRANCE												
Postal Code:	92852												
<b>PROPERTY NUMBERS Total: 1</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12297503</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12297503								
Property Type	Number												
Application Number:	12297503												
<b>CORRESPONDENCE DATA</b>													
<p>Fax Number: (703)312-6666</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 703-312-6600</p> <p>Email: rperez@antonelli.com</p> <p>Correspondent Name: ANTONELLI, TERRY, STOUT &amp; KRAUS, LLP</p> <p>Address Line 1: 1300 NORTH SEVENTEENTH STREET</p> <p>Address Line 2: SUITE 1800</p> <p>Address Line 4: ARLINGTON, VIRGINIA 22209-3873</p>													
ATTORNEY DOCKET NUMBER:	612.49305X00												
NAME OF SUBMITTER:	Donald E. Stout												

OP \$40.00 12297503

**500833984**

**PATENT**  
**REEL: 022541 FRAME: 0548**

Total Attachments: 3

source=Assignment#page1.tif

source=Assignment#page2.tif

source=Assignment#page3.tif

**ASSIGNMENT**

ATTY. DOCKET NO.:

612.4 9305X00

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

**COMPACT MULTIPHASE PUMP**

- ☐ 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. \_\_\_\_\_ for Letters Patent was filed in the U.S. Patent and Trademark Office on \_\_\_\_\_
- ☐ for which an International Application was filed \_\_\_\_\_ as \_\_\_\_\_, designating the United States. on \_\_\_\_\_

AND WHEREAS  
 INSTITUT FRANCAIS DU PETROLE  
 Address: 1 & 4 avenue de Bois-Préau,  
 92852 RUEIL MALMAISON CEDEX,  
 FRANCE

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
201 FULL NAME OF SOLE OR FIRST NAMED INVENTOR  PAGNIER Philippe	INVENTOR'S SIGNATURE 	DATE 13/10/08
202 FULL NAME OF SECOND JOINT INVENTOR  AKHRAS Abdul Rahman	INVENTOR'S SIGNATURE	DATE
203 FULL NAME OF THIRD JOINT INVENTOR  VILAGINÈS Régis	INVENTOR'S SIGNATURE	DATE
204 FULL NAME OF FOURTH JOINT INVENTOR  FALCIMAIGNE Jean	INVENTOR'S SIGNATURE 	DATE November 3 <sup>rd</sup> , 2008

**ASSIGNMENT**

ATTY. DOCKET NO.:

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

**COMPACT MULTIPHASE PUMP**

- ☐ 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. \_\_\_\_\_ for Letters Patent was filed in the U.S. Patent and Trademark Office on \_\_\_\_\_
- ☐ for which an International Application was filed \_\_\_\_\_ as \_\_\_\_\_, designating the United States.

AND WHEREAS INSTITUT FRANCAIS DU PETROLE  
Address: 1 & 4 avenue de Bois-Préau,  
92852 RUEIL MALMAISON CEDEX,  
FRANCE

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
PAGNIER Philippe		
202 FULL NAME OF SECOND JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
AKHRAS Abdul Rahman	<i>Abdul Rahman AKHRAS</i>	04/06/2007
203 FULL NAME OF THIRD JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
VILAGINÈS Régis		
204 FULL NAME OF FOURTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
FALCIMAIGNE Jean		

# ASSIGNMENT

ATTY DOCKET NO.:

612.4 9305X00

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

## COMPACT MULTIPHASE PUMP

- ☐ 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 \_\_\_\_\_ for Letters Patent was filed in the U S Patent and Trademark Office on \_\_\_\_\_
- ☐ for which an International Application was filed \_\_\_\_\_ as \_\_\_\_\_, designating the United States on \_\_\_\_\_

### AND WHEREAS

INSTITUT FRANCAIS DU PETROLE  
Address: 1 & 4 avenue de Bois-Préau,  
92852 RUEIL MALMAISON CEDEX,  
FRANCE

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.

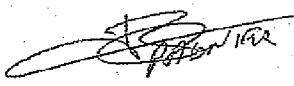
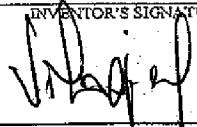

NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, including 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
PAGNIER Philippe		13/10/08
202 FULL NAME OF SECOND JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
AKHRAS Abdul Rahman		
203 FULL NAME OF THIRD JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
VILAGINÈS Régis		March 30, 2009
204 FULL NAME OF FOURTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
FALCIMAIGNE Jean		November 3rd, 2008

### PATENT

RECORDED: 04/14/2009

REEL: 022541 FRAME: 0552