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Form PTO-1595

02-25-2003

(Rev. 10/02)  
OMB No. 0651-0027 (exp. 10/02)

RECORD



S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

102371748

To the Honorable Commissioner of Patent and Trademarks: Please record the attached documents or copy thereof.

**1. Name of conveying party(ies):**  
Eric LENGLET                      Jean Luc LE PEUTREC  
Luc NOUGIER  
Stephane BERTHOLIN  
Jacques ALAGY  
Michel COHEN

2-19-03

**2. Name and address of receiving party(ies):**

Name: Institut Francais Du Petrole

Internal Address:

Street Address: 1 & 4 avenue de Bois-Preau

City: Rueil Malmaison Cedex State: DE

Zip:92852

Additional name(s) of conveying party(ies) attached?  Yes  No

**3. Nature of Conveyance:**

- Assignment                       Merger
- Security Agreement               Change of Name
- Other

Execution Date: November 22, 2002

No additional names(s) or address(es) attached  Yes  No

**4. Application number(s) or patent number(s):**

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)  
10/259,796

B. Patent No.(s)

Additional numbers attached?  Yes  No

**5. Name and address of party to whom correspondence concerning document should be mailed:**

Name: MILLEN, WHITE, ZELANO  
& BRANIGAN, P.C.  
Address: Arlington Court Plaza I  
Suite 1400  
2200 Clarendon BLVD.  
Arlington, VA 22201

**6. Total number of applications and patents involved: 1**

**7. Total fee (37CFR 3.41)                      \$40.00**

- Enclosed
- Authorized to be charged to deposit account

**8. DEPOSIT ACCOUNT NO. 13-3402**

(Attach duplicate copies of this page if paying by deposit account)

**DO NOT USE THIS SPACE**

**9. Statement and Signature.**

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

I. William Millen  
Names of Person Signing

Signature

February 19, 2003  
Date

Total number of pages including cover sheet, attachments, and documents 2

Attorney Docket No. PET-2028

02/24/2003 6TOM11 00000138 10259796

01 FC:8021

40.00 RP

**PATENT**  
**REEL: 013768 FRAME: 0941**

# ASSIGNMENT

ATTY. DOCKET NO. PEI-2028

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(s) relating to

REACTION CHAMBER THAT COMPRISES A JACKET THAT CONTAINS AT LEAST ONE MODULE THAT IS CONNECTED BY FLEXIBLE MEANS TO THE JACKET AND THAT CONTAINS HEAT EXCHANGE MEANS

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. 10/259,796 for Letters Patent was filed in the U.S. Patent and Trademark Office on September 30, 2002

for which an International Application was filed on \_\_\_\_\_ as \_\_\_\_\_, designating the United States.

AND WHEREAS

INSTITUT FRANCAIS DU PETROLE  
1 & 4 avenue de Bois-Preau  
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(s), including any and all earlier priority rights (U.S. and foreign), 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(s), 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 U.S. (including provisional) or foreign 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 concerning said invention. SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and application, including any and all earlier priority rights (U.S. and foreign), 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 Millen, White, Zelano & Branigan, P.C. 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

291 FULL NAME OF SOLE OR FIRST NAMED INVENTOR	INVENTOR'S SIGNATURE	DATE
Eric LENGLET	<i>Eric Lenglet</i>	22 <sup>nd</sup> November 2002
292 FULL NAME OF SECOND JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Luc NOUGIER	<i>Luc Nougier</i>	22 <sup>nd</sup> November 2002
293 FULL NAME OF THIRD JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Stéphane BERTHOLIN	<i>Stéphane Bertholin</i>	22 <sup>nd</sup> November 2002
294 FULL NAME OF FOURTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Jacques ALAGY	<i>Jacques Alagy</i>	22 <sup>nd</sup> November 2002
295 FULL NAME OF FIFTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Michel COHEN	<i>Michel Cohen</i>	22 <sup>nd</sup> November 2002
296 FULL NAME OF SIXTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Jean Luc LE PEUTREC	<i>Jean Luc Le Peutrec</i>	22 <sup>nd</sup> November 2002
297 FULL NAME OF SEVENTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
298 FULL NAME OF EIGHTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
299 FULL NAME OF NINTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
300 FULL NAME OF TENTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE

**PATENT**

**RECORDED: 02/19/2003**

**REEL: 013768 FRAME: 0942**