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Attorney Docket No. 612.45297X00

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):

Patrick EGERMANN
Roland LENORMAND

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) September 28, 2005 and October 11, 2005

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Institut Francais Du Petrole
1 & 4 avenue Bois-Preau
92852 Rueil Malmaison Cedex
FRANCE

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent numbers(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

11/212,760

B. Patent Registration No.(s)

Additional number(s) attached ☐ Yes ☒ No

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

Name: **ANTONELLI, TERRY, STOUT & KRAUS, LLP**

Internal Address:

1300 NORTH 17TH STREET - SUITE 1800City: **ARLINGTON** State: **VA** Zip **22209**

Phone Number: 703-312-6000

Fax Number: 703-312-6666

Email Address: email@antonelli.com

6. Total number of applications and patents involved 1

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

- ☒ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

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10/27/2005

Date

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PATENT
REEL: 017157 FRAME: 0247

ASSIGNMENT

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

METHOD OF DETERMINING MULTIPHASE FLOW PARAMETERS OF A POROUS MEDIUM TAKING ACCOUNT OF THE LOCAL HETEROGENEITY

for which an application for Letters Patent to be filed in the United States Patent and Trademark Office was executed on even date.

X for which U.S. Application Serial No. 11/212,760 for Letters Patent was filed in the U.S. Patent and Trademark Office on August 29, 2005

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

AND WHEREAS INSTITUT FRANCAIS DU PETROLE
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
	EGERMANN Patrick	<i>Patrick Egermann</i>	<i>September 28, 2005</i>
202	FULL NAME OF SECOND JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
	LENORMAND Roland	<i>Roland Lenormand</i>	<i>October 11, 2005</i>