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Form PTO-1595

RECORDATION 102894641

DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

(Rev. 10/02) OMB No. 0651-0027 (exp. 6/30/2005)

PATENTS ONLY

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

1. Name of conveying party(ies):
 Bogdan HARBUZARU
 Jean-Louis PAILLAUD
 Joël PATARIN
 Nicolas BATS
 Laurent SIMON
 Catherine LAROCHE

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

 Name: INSTITUT FRANCAIS DU PETROLE
 Street Address: 1 & 4 avenue de Bois-Preau
 City: Rueil Malmaison Cedex State: FRANCE
 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: June 30, 2004; September 2, 2004;
 September 2, 2004; August 9, 2004; August 10, 2004;
 August 8, 2004

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) 10/902,425
 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

William Millen 30595
Signature

November 30, 2004
Date

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

Attorney Docket No. PET-2156
 12/03/2004 ECOOPER 00000122 10902425
 01 FC:8021 40.00 UP

5087/00/IB

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
IM-11 CRYSTALLINE SOLID WITH STRUCTURE TYPE LTA, AND A PROCESS FOR ITS PREPARATION

- 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 on _____ an PCT / _____ / _____, 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.


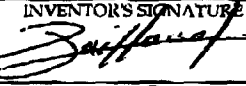
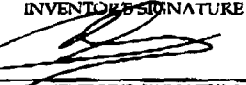


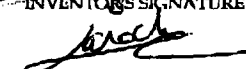
NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, including 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 of terms of any and all such Letters Patent when granted, 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 Miller, 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.

201 FULL NAME OF SOLE OR FIRST NAMED INVENTOR	INVENTOR'S SIGNATURE	DATE
HARBUZARU Bogdan		30.06.2004
202 FULL NAME OF SECOND JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
PAILLAUD Jean-Louis		02/09/2004
203 FULL NAME OF THIRD JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
PATARIN Joël		02/09/04
204 FULL NAME OF FOURTH JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
BATS Nicolas		09/08/04
205 FULL NAME OF FIFTH JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
SIMON Laurent		10/08/04
206 FULL NAME OF SIXTH JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
LAROCHE Catherine		20/08/04

PATENT

RECORDED: 11/03/2004

REEL: 016034 FRAME: 0572