Docket No:

8785-0004-0 PCT/viw

To the Honorable Commissioner of Patents and 1100779914

hed original documents or copy thereof

1. Page of conveying party(ies): Fabia ALARIO, Jean-Marie DEVES and Patrick

Additional name(s) of conveying party(ies) attached?

- 3. Nature of Conveyance:
 - Assignment □ Merger ☐ Security Agreement ☐ Change of Name

Execution Date: November 3, 1997

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

INSTITUT FRANCAIS DU PETROLE

Address:

1 et 4 avenue de Bois Preau 92506 RUEIL MALMAISON, FRANCE

Additional name(s) & 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: _____N/A_

A. Patent Application No.(s)

B. Patent No.(s)

08/973,403

Additional numbers attached? □ Yes ■ No

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

OBLON, SPIVAK, McCLELLAND. MAIER & NEUSTADT, P.C. Attorneys at Law Fourth Floor 1755 Jefferson Davis Highway Arlington, Virginia 22202

- 6. Total number of applications and patents involved:
- 7. Total fee (37 CFR 3.41).....\$ <u>40.00</u>
 - Enclosed
 - ☐ Authorized to be charged to deposit account
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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true copy of the original document.

Norman F. Oblon Registration No. 24,618

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07/31/1998 TTON11 00000015 08973403

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PATENT REEL: 9347 FRAME: 0501

Assignment Of Application

Page 1 of 2

WHEREAS, I (WE)

ALARIO Fabio 16, rue de l'Eglise 92200 NEUILLY-SUR-SEINE FRANCE
DEVES Jean-Marie 30, allée des Vergers 78540 VERNOUILLET FRANCE
EUZEN Patrick 40 bis, avenue de Suffren 75015 PARIS FRANCE

respectively, have invented certain new and useful improvements in " « Catalysts for use in hydrocarbon conversion reactions and containing one doping metal chosen from the group consisting of titanium, zirconium, hafnium, cobalt, nickel, zinc, the lanthanides and alkali and alkaline-earth metals » »

for which an application for Letters Patent was executed on (Application No. . . . filed . . .), and 08/973,403 December 15, 1997 WHEREAS. INSTITUT FRANCAIS DU PETROLE

(hereinafter referred to as "assignee") having a place of business at : 1 et 4 avenue de Bois Préau 92506 RUEIL MALMAISON FRANCE

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries:

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5,00), the receipt whereof is hereby acknowledge, and for other good and valuable consideration. I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters patent which may be granted thereof in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof

I (WE) hereby authorise and request the Patent Office Officials in the United States and its territorial possessions and any all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

PATENT REEL: 9347 FRAME: 0502 Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issue to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Viriginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, 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.

Date: 03 novembre 1997	ALARIO Fabio (Signature of Inventor)
Date 03 novembre 1997	DEVES Jean-Marie (Signature of Inventor)
Date: 03 novembre 1997	EUZEN Patrick (Signature of Inventor)
Date :	(Signature of Inventor)
Date :	(Signature of Inventor)
Date	(Signature of Inventor)
Date:	(Signature of Inventor)
Date :	(Sionature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

ATTORNEYS AT LAW FOURTH FLOOR 1755 JEFFERSON DAVIS HIGHWAY ARLINGTON, VIRGINIA 22202

> PATENT REEL: 9347 FRAME: 0503