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M8 No. 0651-0011 (exp. 4/94)

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| To the Honorable Commissioner | of Patents and Trademarks: Plea | ase record the attached original do | cuments or copy thereof. |
| 1. Name of conveying party(ies): Abdelazaz FARAJ | 12.8.98 | 2. Name and address of receive Name: Institut France | cais Du Petrole |
| Additional name(s) of conveying party(ies) a | ttached? 🖸 Yes ឺ XXNo | Internal Address: | 5/8/8 5/8/2 |
| 3. Nature of conveyance: | | | 200 |
| x⊠ Assignment | ☐ Merger | Street Address: 1&4 aver | nue de Bois Preau, |
| ☐ Security Agreement | ☐ Change of Name | 92852 Rueil-Malmaison | |
| Other | - | City: S | State: ZIP: |
| Execution Date: November 6, | 1998 | Additional name(s) & address(es) | attached? □ Yes ¥X No |
| 4. Application number(s) or patent | number(s): | | |
| If this document is being filed to | gether with a new application, | the execution date of the applic | ation isNovember 6, 1998 |
| A. Patent Application No.(s) | | B. Patent No.(s) | |
| | Additional numbers attac | ched? 🗅 YesXXX No | |
| Name and address of party to whom correspondence concerning document should be mailed: | | 6. Total number of applications | s and patents involved: 1 |
| Name: ANTONELLI, TERRY, | STOUT & KRAUS, LLP | 7. Total fee (37 CFR 3.41) | s <u>40.00</u> |
| Internal Address: | | XX Enclosed | |
| | | ☐ Authorized to be charg | ed to deposit account |
| Street Address: 1300 NORTH | SEVENTEENTH STREET | 8. Deposit account number: | 408 |
| 37.1671 9981.376 7.180.90000025.09206984 | | 01-2135 | |
| Chy. ARLINGTON State | .0VAP ZIP: 22209 | (Attach duplicate copy of this pa | ge if paying by deposit account) |
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| 9. Statement and signature. To the best of my knowledge ar the original document. | nd belief, the foregoing informa | ion is true and correct and any | attached copy is a true copy of |
| Donald E. Stout Name of Person Signing 26 | | may that | December 8, 1998 |
| Hame of Ferson Signing 20 | | over sheet, attachments, and documer | 2 |

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ASSIGNMENT

For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, as a below named inventor, I hereby sell and assign to INSTITUT FRANÇAIS DU PETROLE

of 1 & 4, avenue de Bois Préau, 92852 Rueil-Malmaison cedex, France

its successors and assigns or other legal representatives all my rights, title and interest, in and for the United States of America, in and to

MULTIVARIABLE STATISTICAL METHOD FOR CHARACTERIZING IMAGES THAT HAVE BEEN FORMED OF A COMPLEX ENVIRONMENT SUCH AS THE SUBSOIL

invented by me (if only is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed by me even date herewith and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said **INSTITUT FRANÇAIS DU PETROLE**, its successors, assigns or other legal representatives, 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 and enjoyed by me or us if this assignment and sale had not been made:

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to basic issue fee said Letters Patent to said **INSTITUT FRANÇAIS DU PETROLE**

| | ~ 0 | (Full Name | (Signature) | | | |
|----|--|----------------------------|-------------|--|--|--|
| 1) | Date 6 November 1998 Inve | entor Abdelaziz FARAJ Aldo | Dazis Faraj | | | |
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RECORDED: 12/08/1998

PATENT REEL: 009658 FRAME: 0169