

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Mickaele Le Ravalec</td><td>07/03/2008</td></tr><tr><td>Frederic Roggero</td><td>06/27/2008</td></tr><tr><td>Veronique Gervais</td><td>06/30/2008</td></tr></tbody></table>		Name	Execution Date	Mickaele Le Ravalec	07/03/2008	Frederic Roggero	06/27/2008	Veronique Gervais	06/30/2008				
Name	Execution Date												
Mickaele Le Ravalec	07/03/2008												
Frederic Roggero	06/27/2008												
Veronique Gervais	06/30/2008												
RECEIVING PARTY DATA													
<table border="1"><tr><td>Name:</td><td>IFP</td></tr><tr><td>Street Address:</td><td>1 & 4 avenue de Bois-Preau</td></tr><tr><td>Internal Address:</td><td>RUEIL-MALMAISON</td></tr><tr><td>City:</td><td>CEDEX</td></tr><tr><td>State/Country:</td><td>FRANCE</td></tr><tr><td>Postal Code:</td><td>92852</td></tr></table>		Name:	IFP	Street Address:	1 & 4 avenue de Bois-Preau	Internal Address:	RUEIL-MALMAISON	City:	CEDEX	State/Country:	FRANCE	Postal Code:	92852
Name:	IFP												
Street Address:	1 & 4 avenue de Bois-Preau												
Internal Address:	RUEIL-MALMAISON												
City:	CEDEX												
State/Country:	FRANCE												
Postal Code:	92852												
PROPERTY NUMBERS Total: 1													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12186548</td></tr></tbody></table>		Property Type	Number	Application Number:	12186548								
Property Type	Number												
Application Number:	12186548												
CORRESPONDENCE DATA													
Fax Number: (703)312-6666 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone: 703-312-6600													
Email: rperez@antonelli.com													
Correspondent Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP													
Address Line 1: 1300 NORTH SEVENTEENTH STREET													
Address Line 2: SUITE 1800													
Address Line 4: ARLINGTON, VIRGINIA 22209-3873													
ATTORNEY DOCKET NUMBER:	612.49003X00												
NAME OF SUBMITTER:	Alan E. Schiavelli												
Total Attachments: 1													

OP \$40.00 12186548

500673172

PATENT
REEL: 021667 FRAME: 0648

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 FOR UPDATING A GEOLOGICAL MODEL USING DYNAMIC DATA AND WELL TESTS

- ☐ 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. 12/186,548 for Letters Patent was filed in the U.S. Patent and Trademark Office on August 6, 2008
- ☐ for which an International Application was filed _____ as _____, designating the United States. on _____

AND WHEREAS

IFP
 Address: 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.


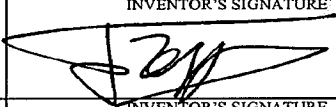
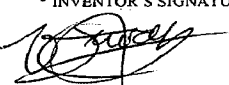
NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, including 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
	LE RAVALEC Mickaële		03/07/2008
202	FULL NAME OF SECOND JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
	ROGGERO Frédéric		27/06/2008
203	FULL NAME OF THIRD JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
	GERVAIS Véronique		30/06/2008.