

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>Alain RANINI</td><td>02/05/2007</td></tr><tr><td>Sebastien POTTEAU</td><td>02/08/2007</td></tr></tbody></table>	Name	Execution Date	Alain RANINI	02/05/2007	Sebastien POTTEAU	02/08/2007					
Name	Execution Date										
Alain RANINI	02/05/2007										
Sebastien POTTEAU	02/08/2007										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Institut Francais Du Petrole</td></tr><tr><td>Street Address:</td><td>1 & 4 avenue de Bois-Preau</td></tr><tr><td>City:</td><td>Rueil Malmaison Cedex</td></tr><tr><td>State/Country:</td><td>FRANCE</td></tr><tr><td>Postal Code:</td><td>92852</td></tr></table>	Name:	Institut Francais Du Petrole	Street Address:	1 & 4 avenue de Bois-Preau	City:	Rueil Malmaison Cedex	State/Country:	FRANCE	Postal Code:	92852	
Name:	Institut Francais Du Petrole										
Street Address:	1 & 4 avenue de Bois-Preau										
City:	Rueil Malmaison 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>11564457</td></tr></tbody></table>	Property Type	Number	Application Number:	11564457							
Property Type	Number										
Application Number:	11564457										
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: amathis@antonelli.com											
Correspondent Name: Antonelli, Terry, Stout & Kraus											
Address Line 1: 1300 North 17th Street											
Address Line 2: Suite 1800											
Address Line 4: Arlington, VIRGINIA 22209											
ATTORNEY DOCKET NUMBER:	612.46860X00										
NAME OF SUBMITTER:	Alan E. Schiavelli										
Total Attachments: 3 source=46860x00asgn#page1.tif source=46860x00asgn#page2.tif											

OP \$40.00 11564457

500245179

PATENT
REEL: 019057 FRAME: 0876

ASSIGNMENTATTY. DOCKET NO.:
612. 468 60X00

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 CONTROLLING THE INTAKE OF AN INTERNAL-VOMBUSTION ENGINE,
NOTABLY OF GASOLINE OR DIESEL TYPE, AND ENGINES USING SAME**

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. **11/564,457** for Letters Patent was filed in the U.S. Patent and Trademark Office on **November 29, 2006**

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
	RANINI Alain		05/02/07
202	FULL NAME OF SECOND JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
	POTTEAU Sébastien		

ASSIGNMENT

ATTY. DOCKET NO.:
612.46860X00

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 CONTROLLING THE INTAKE OF AN INTERNAL-COMBUSTION ENGINE, NOTABLY OF GASOLINE OR DIESEL TYPE, AND ENGINES USING SAME

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. *11/564,457* for Letters Patent was filed in the U.S. Patent and Trademark Office on *November 29, 2006*

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

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
	RANINI Alain		
202	FULL NAME OF SECOND JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
	POTTEAU Sébastien		08/02/07

RECORDATION FORM COVER SHEET
PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

Attorney Docket No. 612.46860X00

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

1. Name of conveying party(ies): Alain RANINI Sebastien POTTEAU Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies) Name: INSTITUT FRANCAIS DU PETROLE Street Address: 1 & 4, avenue de Bois Preau 92852 Rueil Malmaison Cedex, France City: State: Zip: Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
3. Nature of conveyance/ Execution Date: February 5, 2007, February 8, 2007. <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other .						
4. Application number(s) or patent number(s): A. Patent Application No.(s) 11/564,457 Additional number(s) attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> This document is being filed together with a new application. B. Patent Registration No.(s)				
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 1800 City: ARLINGTON State: VA Zip 22209 Phone Number: (703) 312-6600 Facsimile 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 <input checked="" type="checkbox"/> Authorized to be charged by credit card <input type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title) 8. Payment Information: a. Credit Card Last 4 numbers:2097 Expiration date: 06/10 b. Deposit account number: 01-2135 Authorized User Name: Gregory E. Montone				
DO NOT USE THIS SPACE						
9. Statement and signature. <i>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> <table><tr><td>Alan E. Schiavelli, Reg#32,087 _____ Name of Person Signing</td><td>/Alan E. Schiavelli/ _____ Signature</td><td>03/23/2007 _____ Date</td></tr></table> Total number of pages including cover sheet, attachments, and document: 2				Alan E. Schiavelli, Reg#32,087 _____ Name of Person Signing	/Alan E. Schiavelli/ _____ Signature	03/23/2007 _____ Date
Alan E. Schiavelli, Reg#32,087 _____ Name of Person Signing	/Alan E. Schiavelli/ _____ Signature	03/23/2007 _____ Date				

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450