

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Kamal BOTROS	01/22/2008
Steve HALL	01/28/2008
John GEERLIGS	01/22/2008
RECEIVING PARTY DATA	
Name:	TRANSCANADA PIPELINES LIMITED
Street Address:	450-1 Street SW
City:	Calgary
State/Country:	CANADA
Postal Code:	T2P 5H1
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12027349
CORRESPONDENCE DATA	
Fax Number:	(416)216-3930
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	416-216-3903
Email:	pfield@ogilvyrenault.com
Correspondent Name:	OGILVY RENAULT LLP
Address Line 1:	200 Bay Street, Box 84
Address Line 2:	SUITE 3800
Address Line 4:	TORONTO, CANADA M5J 2Z4
ATTORNEY DOCKET NUMBER:	18599-70US
NAME OF SUBMITTER:	Paul J. Field
<p>Total Attachments: 2</p> <p>source=Worldwide Assignment#page1.tif</p>	

CH \$40.00 12027349

500458391

PATENT
REEL: 020474 FRAME: 0556

WORLDWIDE ASSIGNMENT

We, **BOTROS, Kamal; HALL, Steve; GEERLIGS, John** (hereinafter **ASSIGNORS**), whose full post office addresses are **71 Hampstead rise N.W. Calgary, Alberta, Canada T3A 6B5; 139 Douglas Woods Mews S.E., Calgary, Alberta, Canada T2Z 2G5; Box 264, 8 – 4306 Twp Rd. 304, Cremona, Alberta, Canada T0M 0R0** in consideration of \$10.00, the receipt of which is hereby acknowledged, and other good and valuable consideration, do hereby sell and assign to **TRANSCANADA PIPELINES LIMITED** (hereinafter **ASSIGNEE**), whose full post office address is **450 – 1 Street SW, Calgary, Alberta, Canada T2P 5H1** all our right, title and interest in the United States of America, its territories and possessions, Canada and all other countries, in and to the invention disclosed in a patent relating to, and entitled

METHOD AND SYSTEM FOR MONITORING GAS MIXTURE QUALITY

including any and all divisions, continuations and continuations-in-part thereof and in and to any and all Letters Patent or similar legal protection in the United States, its territorial possessions and Canada and in any other country, countries or foreign jurisdictions which may issue on such applications or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said **ASSIGNEE**, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each of the undersigned hereby requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to said **ASSIGNEE**, its successors or assigns in accordance herewith;

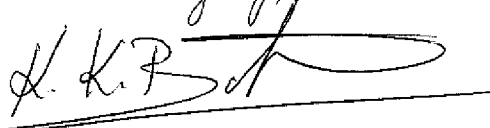
Each of the undersigned warrants and covenants that they have the full and unencumbered right to sell and assign the interests herein sold and assigned and that they have not executed and will not execute any document or instrument in conflict herewith;

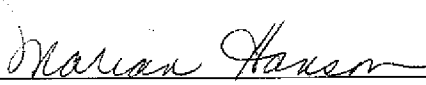
Each of the undersigned further covenants and agrees that at any time upon request of said **ASSIGNEE**, its successors, legal representatives or assigns all information known to them relating to said invention or patent application and that they will execute and deliver any papers,

deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said applications including divisions and continuations-in-part thereof and to any and all Letters Patent which may be granted thereon or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States, Canada and elsewhere for said invention;

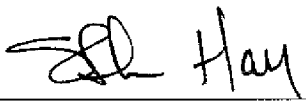
Each of the undersigned hereby authorizes and directs its agents and attorneys to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.


SIGNED at *Calgary, Alberta* this *22* day of *January* 2008.


BOTROS, Kamal



 Witness

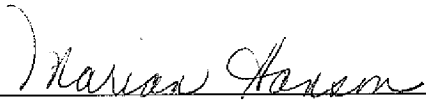
SIGNED at *Calgary, Alberta* this *28* day of *January* 2008.


HALL, Steve


 Witness

SIGNED at *Calgary* this *22* day of *January* 2008.


GEERLIGS, John


 Witness