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

1. Name of conveying party(ies): **MRB**
Gordon J. Bartley **12-30-99**
Additional name(s) of conveying party(ies) attached? Yes No **Ry**

2. Name and address of receiving party(ies):
SOUTHWEST RESEARCH INSTITUTE
6220 Culebra Road
P.O. Drawer 28510
San Antonio, Texas 78228-0510

3. Nature of conveyance: _____
 Assignment _____ Merger
 Security Agreement _____ Change of Name
 Other _____
Execution Date: September 7, 1999

Additional name(s) & address(es) attached? Yes No
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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: September 7, 1999
A. Patent Application No.(s) _____ B. Patent No.(s) _____
Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Robert A. McFall
Jenkins & Gilchrist, P.C.
1445 Ross Avenue, Suite 3200
Dallas, Texas 75202-2799

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 3.41):..... \$ 40.00
 Enclosed
 Authorized to be charged to deposit account
8. Deposit account number: 10-0447

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9. Statement and signature.
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.
Robert A. McFall, Reg. No. 28,968
Name of Person Signing Robert A. McFall Signature Dec 30, 1999 Date

Total number of pages including cover sheet, attachments, and document: 4

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents and Trademarks, Box Assignments
Washington, D.C. 20231

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:	§	
	§	
Gordon J. Bartley	§	
	§	Date:
Serial No.:	§	
	§	Action: Assignment
Filed:	§	
	§	
Title:	§	
<i>Method for Reducing Cold-Start</i>	§	
<i>Hydrocarbon Emissions in a</i>	§	
<i>Gasoline, Natural Gas, or Propane</i>	§	
<i>Fueled Engine</i>	§	
TO: Commissioner of Patents and Trademarks		
Washington, D. C. 20231		

WHEREAS, I, Gordon J. Bartley, a citizen of the United States, residing at 8823 Silent Stream, San Antonio, Bexar County, Texas, am the inventor of new and useful improvements in *Method for Reducing Cold-Start Hydrocarbon Emissions in a Gasoline, Natural Gas, or Propane Fueled Engine* for which I have executed an application for Letters Patent herewith; and WHEREAS, I represent that I am the owner of said invention and application for Letters Patent; and

WHEREAS, SOUTHWEST RESEARCH INSTITUTE, hereinafter called "ASSIGNEE," a Texas Corporation having its principal office at 6220 Culebra Road, San Antonio, Bexar County, Texas, is desirous of acquiring my right, title and interest in and to the said application and the invention therein described and claimed and any Letters Patent that may be issued upon said application or for the invention therein contained;

NOW, THEREFORE, for and in consideration of the sum of Fifty Dollars (\$50.00) lawful money of the United States, and other valuable consideration, to me in hand paid, the receipt and sufficiency whereof I hereby acknowledge, I, the said Gordon J. Bartley have sold, assigned and transferred, and do hereby sell, assign and transfer unto the said ASSIGNEE, its successors and assigns, my entire right, title and interest in and to (a) said invention and worldwide rights therein, including the right to claim the priority date of said application and all other rights arising under the International Convention for the Protection of Industrial Property; (b) said application, including all divisions, continuations, continuations-in-part and substitutions thereof; and (c) all United States and

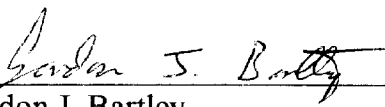
foreign patents which shall issue on said invention, including all reissues, renewals, divisions and extensions thereof, for the United States, its territories and possessions and all foreign countries, including the right to file applications for Letters Patent on said invention in any and all foreign countries, the same to be held and enjoyed by said ASSIGNEE, its assigns and successors, as fully and entirely as the same would have been held and enjoyed by me, had this Assignment and sale not been made.

I request that any and all such Letters Patent for said invention be issued to ASSIGNEE, its successors, assigns and legal representatives, or to such nominees as it may designate.

I covenant and agree that I, my executors or administrators will, at any time upon the request and at the expense of said ASSIGNEE, execute and deliver any and all papers and to all lawful acts that may be necessary or desirable, in the opinion of said ASSIGNEE, to enable and assist said ASSIGNEE to (a) obtain Letters Patent, both domestic and foreign, on said invention; (b) establish, maintain and secure title in said ASSIGNEE, its successors and assigns, to said invention, application and Letters Patent, including making such title of lawful and public record; and (c) defend, establish or otherwise preserve the validity of said Letters Patent against any and all infringers, and perform such other acts as are necessary to give full force and effect this Assignment.

ASSIGNOR further covenants with ASSIGNEE that the rights and property herein conveyed are free and clear of any encumbrances, and that ASSIGNOR has the full right to convey the same as herein expressed.

IN TESTIMONY WHEREOF, I have fully executed this Assignment this 7 day of SEPTEMBER, 1999.



Gordon J. Bartley

