

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jess W. Gingrich</td> <td>02/24/2011</td> </tr> <tr> <td>Steven H. Almaraz</td> <td>02/17/2011</td> </tr> <tr> <td>Barrett W. Mangold</td> <td>02/17/2011</td> </tr> </tbody> </table>		Name	Execution Date	Jess W. Gingrich	02/24/2011	Steven H. Almaraz	02/17/2011	Barrett W. Mangold	02/17/2011		
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Southwest Research Institute</td> </tr> <tr> <td>Street Address:</td> <td>6220 Culebra Road</td> </tr> <tr> <td>City:</td> <td>San Antonio</td> </tr> <tr> <td>State/Country:</td> <td>TEXAS</td> </tr> <tr> <td>Postal Code:</td> <td>78238-5166</td> </tr> </table>		Name:	Southwest Research Institute	Street Address:	6220 Culebra Road	City:	San Antonio	State/Country:	TEXAS	Postal Code:	78238-5166
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<b>CORRESPONDENCE DATA</b>											
<p>Fax Number: (210)522-8365</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 210-522-5560</p> <p>Email: shirley.mcdonald@swri.org</p> <p>Correspondent Name: Shirley E. McDonald</p> <p>Address Line 1: 6220 Culebra Road</p> <p>Address Line 4: San Antonio, TEXAS 78238-5166</p>											
ATTORNEY DOCKET NUMBER:	3535										
NAME OF SUBMITTER:	Shirley E. McDonald										
<p>Total Attachments: 4</p> <p>source=3525 Assignment#page1.tif</p> <p>source=3525 Assignment#page2.tif</p>											

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**PATENT**  
**REEL: 025865 FRAME: 0432**

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

<b>In Re Application of</b>	§	
Jess W. Gingrich, et al	§	
	§	
<b>Serial No.</b> 13/025,901	§	<b>Action:</b> Assignment
	§	
<b>Filed:</b> February 11, 2011	§	

**Title:** Dedicated EGR Control Strategy for Improved EGR Distribution and Engine Performance

**TO: Commissioner of Patents  
and Trademarks  
Alexandria, VA 22313**

WHEREAS, we, JESS W. GINGRICH, a citizen of the United States, residing at 7312 Moss Brook Cove, San Antonio, Bexar County, Texas, BARRETT W. MANGOLD, a citizen of the United States, residing at 12575 Miles Road, Atascosa, Bexar County, Texas, and STEVEN H. ALMARAZ, a citizen of the United States, residing at 304 Delany Street, Seguin, Guadalupe County, Texas, are joint inventors of new and useful improvements in *DEDICATED EGR CONTROL STRATEGY FOR IMPROVED EGR DISTRIBUTION AND ENGINE PERFORMANCE* for which we have executed an application for Letters Patent which was filed on February 11, 2011;

WHEREAS, we represent that we are joint owners 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 78238-5166, is desirous of acquiring our 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 Sixty-Five Dollars (\$65.00), lawful money of the United States, and other valuable consideration, the receipt and sufficiency whereof we hereby acknowledge, we, the said JESS W. GINGRICH, BARRETT W. MANGOLD and STEVEN H. ALMARAZ, hereinafter called "ASSIGNORS" have sold, assigned and transferred, and do hereby sell, assign and transfer unto the said ASSIGNEE, its successors and assigns, our

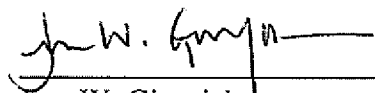
entire right, title and interest in and to (a) said invention and worldwide rights therein, including the right to claim the priority date of said application and all other rights arising under the International Convention for the Protection of Industrial Property; (b) said application, including all 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 us, had this Assignment and sale not been made.

We 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.

We covenant and agree that we and our 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 perform 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 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 to this Assignment.

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

IN TESTIMONY WHEREOF, we have duly executed this Assignment on the date indicated below.

  
\_\_\_\_\_  
Jess W. Gingrich  
2/24/2011  
\_\_\_\_\_  
Date

Barrett W. Mangold

Barrett W. Mangold

2-17-11

Date

Steven H. Almaraz

Steven H. Almaraz

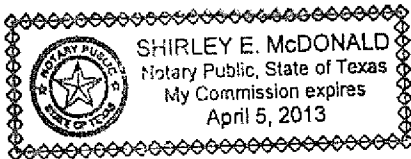
2-17-2011

Date

STATE OF TEXAS       §  
                                     §  
COUNTY OF BEXAR   §

BEFORE ME, the undersigned authority, on this day personally appeared JESS W. GINGRICH, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN under my hand and seal of office this 24<sup>th</sup> day of February, 2011.

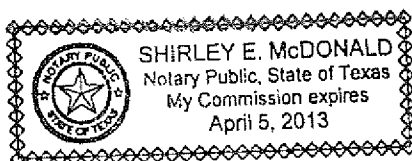


Shirley E. McDonald  
Notary Public, State of Texas

STATE OF TEXAS       §  
                                     §  
COUNTY OF BEXAR   §

BEFORE ME, the undersigned authority, on this day personally appeared BARRETT W. MANGOLD, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN under my hand and seal of office this 17<sup>th</sup> day of February, 2011.

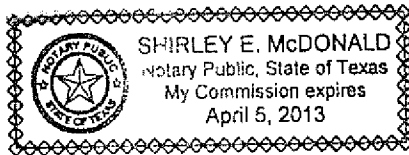


Shirley E. McDonald  
Notary Public, State of Texas

STATE OF TEXAS           §  
                                     §  
COUNTY OF BEXAR       §

BEFORE ME, the undersigned authority, on this day personally appeared STEVEN H. ALMARAZ, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN under my hand and seal of office this 17th day of February, 2011.



Shirley E. McDonald  
Notary Public, State of Texas