

01-25-2005

U.S. DEPARTMENT OF COMMERCE  
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102925015

To the Director of the U.S. Patent and

Trademark Office. Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)/Execution Date(s):**

John C. Hedrick  
Steven G. Fritz

Execution Date(s) January 11, 2005

Additional name(s) of conveying party(ies) attached? ☐ Yes ☐ No

**3. Nature of conveyance:**

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

**2. Name and address of receiving party(ies)**

Name: Southwest Research Ins

Internal Address: P.O. Box 28510

Street Address: P.O. Box 28510

City: San Antonio,

State: Texas

Country: USA Zip: 78228

Additional name(s) & address(es) attached? ☐ Yes ☐ No

**4. Application or patent number(s):**

A. Patent Application No.(s)

11/005,701

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Ted D. Lee

Internal Address: 700 N. St. Mary's Street  
Suite 1500

Street Address: 700 N. St. Mary's Street  
Suite 1500

City: San Antonio

State: Texas Zip: 78205

Phone Number: 210/886-9500

Fax Number: 210/886-9883

Email Address: tedlee@gunn-lee.com

**6. Total number of applications and patents involved:**

1

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

- ☐ Authorized to be charged by credit card  
☐ Authorized to be charged to deposit account  
☒ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number \_\_\_\_\_

Authorized User Name \_\_\_\_\_

**9. Signature:**

Ted D. Lee  
Signature

1/14/05  
Date

Ted D. Lee

Name of Person Signing

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

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PATENT  
REEL: 016161 FRAME: 0947

01/19/2005 EQUIPER 0000064 11005701

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**In Re Application of**  
John C. Hedrick, et al.

**Serial No.** 11/005701

**Filed:** December 6, 2004

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§  
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**Action:** Assignment

**Title:** Locomotive Engine Charge Air Cooling System and Method for Cooling the Engine

**TO: Commissioner of Patents**  
**and Trademarks**  
**Washington, DC 20231**

WHEREAS, we, JOHN C. HEDRICK, a citizen the United States, residing at 107 Deer View Drive, Boerne, Kendall County, Texas, and STEVEN G. FRITZ, a citizen of the United States, residing at 8624 Wood Forest, San Antonio, Bexar County, Texas, are joint inventors of new and useful improvements in *LOCOMOTIVE ENGINE CHARGE AIR COOLING SYSTEM AND METHOD FOR COOLING THE ENGINE* for which we have executed an application for Letters Patent which was filed on December 6, 2004;

WHEREAS, we represent that we are joint owners of said invention and application for Letters Patent; and,

WHEREAS, SOUTHWEST RESEARCH INSTITUTE<sup>®</sup>, 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, to each of us in hand paid, the receipt and sufficiency whereof we hereby acknowledge, we, the said JOHN C. HEDRICK and STEVEN G. FRITZ, 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

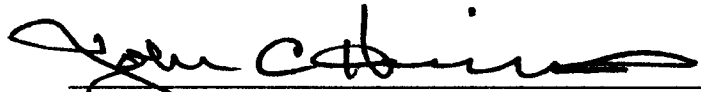
claim the priority date of said application and all other rights arising under the International Convention for the Protection of Industrial Property; (b) said application, including all divisions, continuations, continuations-in-part and substitutions thereof; and (c) all United States and foreign patents 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.

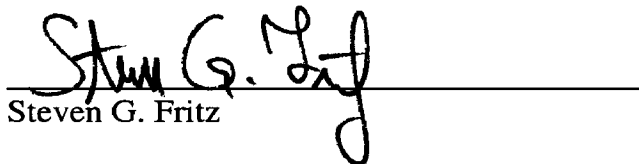
We request that any and all such Letters Patent for said invention be issued to ASSIGNEE, its successors, assigns and legal representatives, or to such nominees as it may designate.

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 fully executed this Assignment this 11th day of January, 2005.

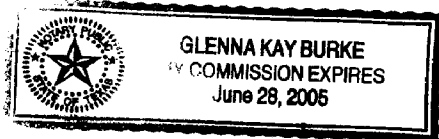
  
\_\_\_\_\_  
John C. Hedrick

  
\_\_\_\_\_  
Steven G. Fritz

STATE OF TEXAS       §  
                                 §  
COUNTY OF BEXAR   §

BEFORE ME, the undersigned authority, on this day personally appeared JOHN C. HEDRICK, 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 11th day of January, 2005.

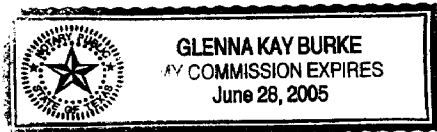


  
Notary Public, State of Texas

STATE OF TEXAS       §  
                                 §  
COUNTY OF BEXAR   §

BEFORE ME, the undersigned authority, on this day personally appeared STEVEN G. FRITZ, 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 11th day of January, 2005.



  
Notary Public, State of Texas