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Form **PTO-1595** **RI**

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

Tab settings

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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):

Shizuo Sasaki

2. Name and address of receiving party(ies)

Name: Southwest Research Institute

Internal Address: _____

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Street Address: 6220 Culebra Road

City San Antonio State: TX Zip: 78238

Execution Date: Oct. 29, 2004

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

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: _____

A. Patent Application No.(s)

10/929,667

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Ted D. Lee

Internal Address: Gunn & Lee, PC

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

Suite 1500

City: San Antonio State: TX Zip: 78205

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

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.

Ted D. Lee

Name of Person Signing

Signature

Nov. 3, 2004

Date

Total number of pages including cover sheet, attachments, and documents: 7

11/10/2004 MGETACHE 00000084 10929667

Mail documents to be recorded with required cover sheet information to:

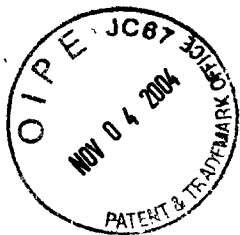
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

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40.00 DP

PATENT
REEL: 015965 FRAME: 0901

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In Re Application of	§	
Shizuo Sasaki	§	
	§	
Serial No. 10/929,667	§	Action: Assignment
	§	
Filed: August 30, 2004	§	

Title: Dual Loop Exhaust Gas Recirculation System for Diesel Engines and Method of Operation

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

WHEREAS, I, SHIZUO SASAKI, a citizen of the United States, residing at 8302 West Hausman Road, No. 514, San Antonio, Bexar County, Texas, have invented new and useful improvements in *DUAL LOOP EXHAUST GAS RECIRCULATION SYSTEM FOR DIESEL ENGINES AND METHOD OF OPERATION* for which I have executed an application for Letters Patent which was filed on August 30, 2004;

WHEREAS, I represent and warrant that I am the sole 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 78238-5166, 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 Sixty-Five Dollars (\$65.00), 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 SHIZUO SASAKI, 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 and 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 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.

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 duly executed this Assignment this 29th day of October, 2004.

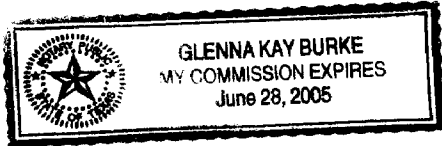


Shizuo Sasaki

STATE OF TEXAS §
 §
COUNTY OF BEXAR §

BEFORE ME, the undersigned authority, on this day personally appeared SHIZUO SASAKI, 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 29th day of October, 2004.



Glenna Kay Burke

Notary Public, State of Texas