Director of the U.S. Patent U.S. DEPARTMENT OF COMMERCE and Trademark Office Patent and Trademark Office Box Assignments Washington, D.C. 20231 Attorney Docket No. 109301 To the Director of the U.S. Patent and Trademark Office: Please record the attached original document or copy thereof. Name of conveying parties: Name and address of receiving party: SOUTHWEST RESEARCH INSTITUTE Daniel W. DICKEY Rudolf H. STANGLMAIER 6220 CULEBRA ROAD SAN ANTONIO, TEXAS Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No Nature of conveyance: B. Additional name(s) & address(es) attached? ☐Yes ⊠ No Assignment ☐ Merger ☐ Change of Name Security Agreement Other_ Execution Date: October 3, 2001 If this document is being filed together with a new application, the execution date of the application is: October 3, 2001 A. C. Patent No.(s) ___ Patent Application No.(s) Total number of applications and patents involved: 1 Name and address of party to whom correspondence concerning document should be mailed: Name: James A. Oliff Total fee (37 CFR 3.41).....\$ 40.00 Enclosed (Check No. 123647_) Address: OLIFF & BERRIDGE, PLC Credit any overpayment or charge any underpayment to P.O. Box 19928 deposit account number 15-0461. Alexandria, VA 22320 06000008 09971918 40.00 DP 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. Date: October 9, 2001 James A. Oliff Registration No. 27,075 Robert Z. Evera Registration No. 47,356 Total number of pages including cover sheet, attachments, and document: 4

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PATENT REEL: 012240 FRAME: 0308

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of

Daniel W. Dickey, et al

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Serial No.: Not Yet Assigned

Action: Assignment

Filed: Herewith

Title: Oxygenated Fuel Plus Water Injection for Emissions

Control in Compression Ignition Engines

TO: **Commissioner of Patents**

and Trademarks

Washington, D. C. 20231

WHEREAS, we, Daniel W. Dickey, a citizen of the United States of America, residing at 10309 Rafter S. Trail, Helotes, Bexar County, Texas and Rudolf H. Stanglmaier, a citizen of Mexico, residing at 2658 Concan Street, San Antonio, Bexar County, Texas, are joint inventors of new and useful improvements in Oxygenated Fuel Plus Water Injection for Emissions Control in Compression Ignition Engines for which we have executed an application for Letters Patent which was filed even date herewith; and 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, 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 us in hand paid, the receipt and sufficiency whereof we hereby acknowledge, we, the said Daniel W. Dickey and Rudolf H. Stanglmaier 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;

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(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 to 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 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 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.

of	IN TESTIMONY V	WHEREOF, we have	e fully executed this Assignment this 3d day
			Daniel W. Dickey
			liter 1. Harim
			Rudolf H. Stanglmajer

PATENT REEL: 012240 FRAME: 0310 STATE OF TEXAS

COUNTY OF BEXAR

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BEFORE ME, the undersigned authority, on this day personally appeared Daniel W. Dickey 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 3rd day of October

SHIRLEY E. MCDONALD Notary Public, State of Texas Commission Expires Apr. 5, 2005

STATE OF TEXAS

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COUNTY OF BEXAR

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BEFORE ME, the undersigned authority, on this day personally appeared Rudolf H. Stanglmaier 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 3rd day of October

State of Texas

PATENT RECORDED: 10/09/2001 REEL: 012240 FRAME: 0311