

12-18-1998

FORM PTO-1595
1-31-92

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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

100924319

To the Honorable Commissioner of Patents and Trademarks original documents or copy thereof.

12-14-98
med

1. Name and Address of Conveying Party(ies):
Jack A. Smith
1822 Enero Park
San Antonio, Bexar County, Texas 78230
 Individual/Citizenship: United States of America
Additional name(s) of conveying party(ies) attached?
 Yes No

2. Name and Address of receiving Party(ies):
Name: Southwest Research Institute
Internal Address: P.O. Box 28510
Street Address: 6220 Culebra Road
City: San Antonio
State: Texas Zip: 78228-0510

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other
Execution Date: November 25, 1997

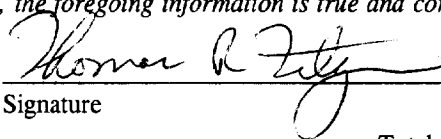
Corporation/State Texas
Additional name(s) & address(es) attached? Yes No

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) Serial No. 08/972,644; Filed 11/17/97 Additional Numbers attached? Yes No
B. Patent No.(s) Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Ann C. Livingston
Internal Address: BAKER & BOTTS, L.L.P.
Street Address: 2001 Ross Avenue
City: Dallas
State: Texas Zip: 75201-2980

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:
(Attach Duplicate Copy of this page if paying by deposit account)

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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.
Thomas R. Felger  12/18/98
Name of Person Signing Signature Date
Total number of pages including cover sheet 6

OMB No. 0651-0011 (exp.4/94)

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Washington, D.C. 20231

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PATENT
REEL: 9655 FRAME: 0546

Recordation Form Cover Sheet -Form PTO-1595 (01/31/92)

Patents Only

Page 2

Attorneys Docket: 090936.0303

Section 1 -Name of conveying parties

Additional names (individual)

Daniel J. Podnar
14611 Porter House
San Antonio, Bexar County, Texas 78248
Citizenship: USA

James J. Cole
9118 Autumn Meadows
San Antonio, Bexar County, Texas 78250
Citizenship: USA

John T. Kubesh
8215 Timber Grand
San Antonio, Bexar County, Texas 78250
Citizenship: USA

Gordon J. Bartley
7585 Ingram Road, Apt. 1306
San Antonio, Texas 78251
Citizenship: United Kingdom

11-18-1998

FORM PTO-1595
1-31-92



U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

JUN 15 1998

100829166

To the Honorable Commissioner of Patents and Trademarks: _____ Attached original documents or copy thereof.

1. Name and Address of Conveying Party(ies):
 Jack A. Smith
 1822 Enero Park
 San Antonio, Bexar County, Texas 78230
 Individual/Citizenship: United States of America
 Additional name(s) of conveying party(ies) attached?
 Yes No

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 Serial No. 08/972,644; Filed 11/17/97 | Additional Numbers attached? Yes No

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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.
Ann C. Livingston Ann Livingston 6/10/98
 Name of Person Signing Signature Date
 Total number of pages including cover sheet 6

OMB No. 0651-0011 (exp.4/94)
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MPD 6-15-98

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 AUS01:138598.1
 090936.0303

Recordation Form Cover Sheet -Form PTO-1595 (01/31/92)

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Page 2

Attorneys Docket: 090936.0303

Section 1 -Name of conveying parties

Additional names (individual)

Daniel J. Podnar

14611 Porter House

San Antonio, Bexar County, Texas 78248

Citizenship: USA

James J. Cole

9118 Autumn Meadows

San Antonio, Bexar County, Texas 78250

Citizenship: USA

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of
Jack A. Smith, et al

§
§
§
§
§
§

Serial No.:

Action: Assignment

Filed:

Title: STOICHIOMETRIC SYNTHESIS, EXHAUST, AND NATURAL-GAS
COMBUSTION ENGINE

TO: Commissioner of Patents
and Trademarks
Washington, D. C. 20231

WHEREAS, we, Jack A. Smith, a citizen of the United States, residing at 1822 Enero Park, San Antonio, Daniel J. Podnar, a citizen of the United States, residing at 14611 Porter House, San Antonio, James J. Cole, a citizen of the United States, residing at 9118 Autumn Meadow, San Antonio, John T. Kubesh, a citizen of the United States, residing at 8215 Timber Grand, San Antonio, and Gordon J. Bartley, a citizen of the United Kingdom, residing at 7855 Ingram Road, Apt. 1306, Bexar County, Texas, are joint inventors of new and useful improvements in STOICHIOMETRIC SYNTHESIS, EXHAUST, AND NATURAL-GAS COMBUSTION ENGINE for which we have executed an application for Letters Patent on 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 Fifty Dollars (\$50.00) lawful money of the United States, and valuable other consideration, to us in hand paid, the receipt and sufficiency whereof we hereby acknowledge, we, the said Jack A. Smith, Daniel J. Podnar, James J. Cole, John T. Kubesh, and Gordon J. Bartley 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 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 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.

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 25th day of November, 1997.



JACK A. SMITH



DANIEL J. PODNAR

[Signature]

JAMES J. COLE

[Signature]

JOHN T. KUBESH

[Signature]

GORDON J. BARTLEY

STATE OF TEXAS §
 §
COUNTY OF BEXAR §

BEFORE ME, the undersigned authority, on this day personally appeared Jack A. Smith 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 21st day of November, 1997.

[Signature]

Notary Public, State of Texas

STATE OF TEXAS §
 §
COUNTY OF BEXAR §

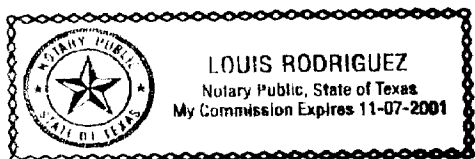


BEFORE ME, the undersigned authority, on this day personally appeared Daniel J. Podnar known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN under my hand and seal of office this 25th day of November, 1997.

[Signature]

Notary Public, State of Texas

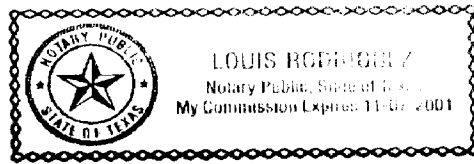


STATE OF TEXAS §
 §
COUNTY OF BEXAR §

BEFORE ME, the undersigned authority, on this day personally appeared James J. Cole 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 25th day of November, 1997.

Louis Rodriguez
Notary Public, State of Texas

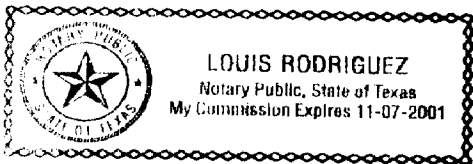


STATE OF TEXAS §
 §
COUNTY OF BEXAR §

BEFORE ME, the undersigned authority, on this day personally appeared John T. Kubesh 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 25th day of November, 1997.

Louis Rodriguez
Notary Public, State of Texas

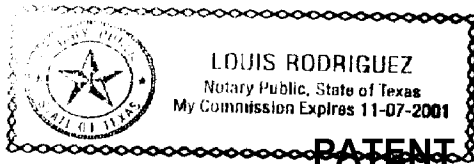


STATE OF TEXAS §
 §
COUNTY OF BEXAR §

BEFORE ME, the undersigned authority, on this day personally appeared Gordon J. Bartley 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 25th day of November, 1997.

Louis Rodriguez
Notary Public, State of Texas



PATENT