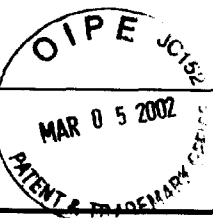


03-15-2002



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FORM PTO-159
(Modified)

SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Phillip F. Rimnac
Ravishankar Ramamurthy
Sameer Bhargava

3-5-02

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

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

Name: Detroit Diesel CorporationInternal Address: (Same as street address.)Street Address: 13400 Outer Drive, WestCity: Detroit State: MI Zip: 48239-4001Additional name(s) & address(es) attached? ☐ Yes ☐ No

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other
Execution Date: 2/8/02; 2/8/02; 2/8/02

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)

10/023,020

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: David S. BirAddress: Brooks & Kushman P.C.1300 Town Center, Twenty-Second FloorCity: Southfield State: MI ZIP: 480756. Total number of applications and patents involved: 17. Total Fee (37 C.F.R. § 1.21(h))\$ 40.00☒ Enclosed☐ Authorized to be charged to Deposit Account

8. Deposit Account Number: _____

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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.

David S. Bir

Name of Person Signing

Signature

February 28, 2002

Date

Total number of pages including cover sheet, attachments, and document: 3Mail documents to be recorded with required cover sheet information to:
Box Assignments, Director of the United States Patent and Trademark Office
Washington, D.C. 20231PATENT
REEL: 012667 FRAME: 0367

ASSIGNMENT

For the sum of One Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged, we, **PHILLIP F. RIMNAC** of 6955 Fosdick, Saline, Michigan 48176; **RAVISHANKAR RAMAMURTHY** of 139 Cherry Valley Drive, Apt. C-23, Inkster, Michigan 48141; and **SAMEER BHARGAVA**, of 41643 Strawberry Court, Canton, Michigan 48188, do hereby assign, sell and set over to Detroit Diesel Corporation, a corporation organized and existing under the laws of the State of Delaware, and having a place of business at 13400 Outer Drive, West, Detroit, Michigan 48239-4001, hereinafter referred to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and interest, domestic and foreign, in and to the inventions and discoveries in

**CONDENSATION CONTROL FOR INTERNAL
COMBUSTION ENGINES USING EGR**

for which an application for a United States Patent was filed on December 18, 2001, as Application Serial No. 10/023,020, including the right of said ASSIGNEE, its successors, assigns or other legal representatives to make applications and to receive Letters Patent for said inventions and discoveries in any and all foreign countries in its or their own name or names, or in our names, at its or their election, and we hereby assign, sell and set over to said ASSIGNEE, its successors, assigns or other legal representatives, all rights of priority in and to said inventions and discoveries in all countries, including all applications claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, reexaminations and reissue applications.

And we hereby agree for ourselves, our heirs, successors, assigns or other legal representatives to execute any and all papers, including applications for Letters Patent of any and all kinds and in any and all countries and to perform any and all acts which said ASSIGNEE, its successors, assigns or other legal representatives may deem necessary to secure thereto the rights herein assigned, sold and set over.

And we hereby represent and warrant that we have not granted any rights inconsistent with the rights granted herein.

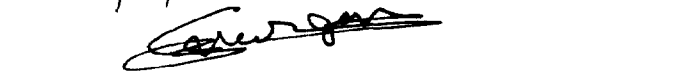
Date: 02/08, 2002


PHILLIP F. RIMNAC

Date: 02/08, 2002


RAVISHANKAR RAMAMURTHY

Date: 02/08, 2002


SAMEER BHARGAVA

STATE OF Michigan)
COUNTY OF Wayne) ss.

On this 8th day of February, 2002, personally appeared before me **PHILLIP F. RIMNAC**, to me known to be the persons named in and who executed the above instrument, and acknowledged that they executed the same for the uses and purposes therein mentioned.

Lydia E. Tuck

Notary Public

My Commission expires:

(SEAL)

LYDIA E. TUCK
Notary Public, Oakland County, MI
Acting in Wayne County, MI
My Commission Expires 01/16/2006

STATE OF Michigan)
COUNTY OF Wayne) ss.

On this 8th day of February, 2002, personally appeared before me **RAVISHANKAR RAMAMURTHY**, to me known to be the person named in and who executed the above instrument, and acknowledged that he executed the same for the uses and purposes therein mentioned.

Lydia E. Tuck

Notary Public

My Commission expires:

(SEAL)

LYDIA E. TUCK
Notary Public, Oakland County, MI
Acting in Wayne County, MI
My Commission Expires 01/16/2006

STATE OF Michigan)
COUNTY OF Wayne) ss.

On this 8th day of February, 2002, personally appeared before me **SAMEER BHARGAVA**, to me known to be the person named in and who executed the above instrument, and acknowledged that he executed the same for the uses and purposes therein mentioned.

Lydia E. Tuck

Notary Public

My Commission expires:

(SEAL)

LYDIA E. TUCK
Notary Public, Oakland County, MI
Acting in Wayne County, MI
My Commission Expires 01/16/2006