

FORM PTO-1619A
Expires 06/30/99
OMB 0651-0027

12-03-2002

U.S. Department of Commerce
Patent and Trademark Office

PATENT

Docket No. 202-1376

102299122

RECORDATION FORM COVER SHEET
PATENTS ONLY

11002 U.S. S. 10/301077

10/21/02

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

☒ New

m2d 10/21/02

☐ Resubmission (Non-Recordation)

Document ID#

☐ Correction of PTO Error

Reel #

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☐ Corrective Document

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Frame #

Conveyance Type

☒ Assignment☐ Security Agreement☐ License☐ Change of Name☐ Merger☐ OtherU.S. Government
(For Use ONLY by U.S. Government Agencies)☐ Departmental File☐ Secret File

Conveying Party(ies)

☐ Mark if additional names of conveying parties attachedExecution Date
Month Day Year

Name (line 1) Ford Motor Company

11-07-02

Name (line 2) A Delaware Corporation

Execution Date
Month Day Year

Second Party

Name (line 1)

Name (line 2)

Receiving Party

☐ Mark if additional names of receiving parties attached

Name (line 1) Ford Global Technologies, Inc.

Name (line 2) A Michigan Corporation

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Address (line 1) Suite 600 - Parklane Towers East

Address (line 2) One Parklane Boulevard

Address (line 3) Dearborn,

City

MI - USA

State/Country

48126

Zip Code

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

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12/02/2002 TDAZI 00000253 061510 10301077

01 FD:8021

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PATENT

700031497

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Page 2

U.S. Department of Commerce
Patent and Trademark Office
PATENT

Correspondent Name and Address

Area Code and Telephone Number 313-390-4560

Name Julia Voutyras - 48.019

Address (line 1) Ford Global Technologies, Inc.

Address (line 2) Suite 600 - Parklane Towers East

Address (line 3) One Parklane Boulevard

Address (line 4) Dearborn, MI 48126

Pages

Enter the total number of pages of the attached conveyance document
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1

Application Number(s) or Patent Number(s)

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Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

030107

Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was
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11-06-02

Patent Cooperation Treaty (PCT)

Enter PCT application number
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has not been assigned.PCT PCT PCT
PCT PCT PCT

Number of Properties

Enter the total number of properties involved.

#

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

Method of Payment:
Deposit AccountEnclosed ☐Deposit Account ☒

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

06-1510

Authorization to charge additional fees:

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Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any
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indicated herein.

Maria Leos

Maria Leos

November 21, 2002

Name of Person Signing

Signature

Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**ASSIGNMENT**

WHEREAS, Ford Motor Company (Ford), a corporation organized and existing by virtue of the laws of the State of Delaware and having a principal place of business at Dearborn, County of Wayne, and State of Michigan, is the owner of the invention claimed in the patent application first signed November 6, 2002, Attorney Docket No: 202-1376, titled: DIESEL AFTERTREATMENT SYSTEMS which is filed concurrently herewith in the United States Patent and Trademark Office (USPTO).

WHEREAS, Ford Global Technologies, Inc., a corporation organized and existing by virtue of the laws of the State of Michigan and having a principal place of business at Dearborn, County of Wayne, and State of Michigan, is desirous of acquiring an interest therein;

NOW, THEREFORE, Ford by these presents does assign and transfer unto Ford Global Technologies, Inc. the full and exclusive right for the United States of America and for all foreign countries to said invention, together with all patent applications, divisionals, continuations-in-part, continuations, renewals, or secondary filings thereof.

Ford Motor Company

By: 

Thomas J. DeZure

Title: Assistant Secretary

Date: November 7, 2002

(To be completed after recordation by the USPTO)

USPTO Filing Date: _____

USPTO Application No: _____

Voutyras



UNITED STATES
PATENT AND
TRADEMARK OFFICE

APRIL 01, 2003

PTAS

Under Secretary of Commerce For Intellectual Property and
Director of the United States Patent and Trademark Office
Washington, DC 20231
www.uspto.gov

FORD GLOBAL TECHNOLOGIES, INC.
JULIA VOUTYRAS
SUITE 600 - PARKLANE TOWERS EAST
ONE PARKLANE BOULEVARD
DEARBORN, MI 48126



102299123A

UNITED STATES PATENT AND TRADEMARK OFFICE
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DOCUMENT ID NO.: 102299123

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1. THE DOCUMENT SUBMITTED FOR RECORDING IS NOT ACCEPTABLE. THE EXECUTION DATE OF THE ASSIGNMENT DOCUMENT IS AFTER THE PATENT AND TRADEMARK OFFICE MAIL ROOM DATE.

THERESA FREDERICK, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

med/Attache

4/17/03 mt

FORM PTO-1619A
Expires 09/30/99
OMB 0651-0027

12-03-2002

U.S. Department of Commerce
Patent and Trademark Office
PATENT

Docket No. 202-1376



102299123
RECORDATION FORM
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02 U.S. PTO
10/30/07
10/21/02

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

- ☒ New m2D 10/21/02
- ☐ Resubmission (Non-Recordation)
- ☐ Document ID# _____
- ☐ Correction of PTO Error
- Reel # _____ Frame # _____
- ☐ Corrective Document
- Reel # _____ Frame # _____

Conveyance Type

- ☒ Assignment ☐ Security Agreement
- ☐ License ☐ Change of Name
- ☐ Merger ☐ Other _____

U.S. Government
(For Use ONLY by U.S. Government Agencies)

- ☐ Departmental File ☐ Secret File

Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Name (line 1) Upadhyay, Devesh

Execution Date
Month Day Year
11-06-02

Name (line 2) _____

Second Party

Name (line 1) Goebelbecker, Michael

Execution Date
Month Day Year
11-06-02

Name (line 2) _____

Receiving Party

☐ Mark if additional names of receiving parties attached

Name (line 1) Ford Motor Company

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2) A Delaware Corporation

Address (line 1) The American Road

Address (line 2) _____

Address (line 3) Dearborn

MI - USA

48121

City

State/Country

Zip Code

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name _____

Address (line 1) _____

Address (line 2) _____

Address (line 3) _____

Address (line 4) _____

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12/02/2002 TDIAZ1 00000252 061510 10301077

01 FC:8021 40.00 CH

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PATENT
REEL: 013681 FRAME: 0182

FORM PTO-1619C
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CONTINUATION
PATENTS ONLYU.S. Department of Commerce
Patent and Trademark Office
PATENT

Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) van Nieuwstadt, Michiel J.

Execution Date
Month Day Year

11-06-02

Name (line 2)

Execution Date
Month Day Year

11-06-02

Name (line 1) Ruona, William Charles

Name (line 2)

Execution Date
Month Day Year

Name (line 1)

Name (line 2)

Receiving Party(ies)

☐ Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

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Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

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Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

FORM PTO-1619B
Expires 05/30/99
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Page 2

U.S. Department of Commerce
Patent and Trademark Office
PATENT

Correspondent Name and Address

Area Code and Telephone Number 313-390-4560Name Julia Voutyras - 48.019Address (line 1) Ford Global Technologies, Inc.Address (line 2) Suite 600 - Parklane Towers EastAddress (line 3) One Parklane BoulevardAddress (line 4) Dearborn, MI 48126

Pages

Enter the total number of pages of the attached conveyance document
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Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

10301077If this document is being filed together with a regular Patent Application, enter the date the patent application was
signed by the first named executing inventor.Month Day Year
11-06-02

Patent Cooperation Treaty (PCT)

Enter PCT application number
only if a U.S. Application Number
has not been assigned.PCT PCT PCT PCT PCT PCT

Number of Properties

Enter the total number of properties involved. #

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

Method of Payment:

Deposit Account

Enclosed ☐Deposit Account ☒

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

06-1510

Authorization to charge additional fees:

Yes ☒No ☐

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. Charges to deposit account are authorized, as
indicated herein.

Maria Leos

Name of Person Signing

Maria Leos

Signature

November 21, 2002

Date

[]

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ASSIGNMENT

WHEREAS, THE UNDERSIGNED,

has/have invented certain new and useful improvements in:

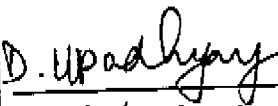

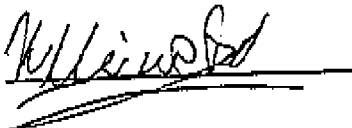
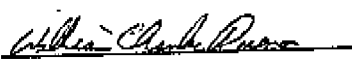
Attorney Docket No. **202-1376** entitled: **DIESEL AFTERTREATMENT SYSTEMS**
for which I/we intend to make application for Letters Patent of the United States listing the following as inventors:

Devesh Upadhyay
William Ruona
Michiel van Nieuwstadt
Michael Goebelbecker; and

WHEREAS, FORD MOTOR COMPANY, a corporation organized and existing by virtue of the laws of the State of Delaware, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, is desirous of acquiring an interest therein;

NOW, THEREFORE, pursuant to my employment agreement heretofore made with FORD MOTOR COMPANY, or by my contractual obligation, I do sell, assign and transfer unto FORD MOTOR COMPANY the full and exclusive right for the United States of America and for all foreign countries to the said invention, as described in the specification executed by me on the date listed below, preparatory to obtaining Letters Patent of the United States therefor (and I hereby authorize my attorneys to insert the serial number and filing date herein:

Serial No. _____, Filing Date _____), and I hereby request the Commissioner of Patents and Trademarks to issue said Letters Patent to FORD MOTOR COMPANY as the assignee.
Executed by:

NAME	SIGNATURE	DATE
Devesh Upadhyay 5073 Heather Drive Apt 201 Dearborn MI 48126 US		Nov-6-2002
Michael Goebelbecker 8485 Grayfield Dearborn Heights, MI 48127 US		Nov 6, 2002
Michiel J. van Nieuwstadt 3750 Middleton Drive Ann Arbor, MI 48105 US		6 Nov 02
William Charles Ruona 21760 Parklane Street Farmington Hills, MI 48335 US		Nov 6, 2002

Voutyras

Attorney Docket No: 202-1376

Please call 313-322-7762 if this paper becomes separated from the file.

10/301077

Customer NO. 022844

PATENT

☒ OFFICIAL
☐ UNOFFICIAL

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Upadhyay, Coebelbecker, van Nieuwstadt, Ruona
 Serial No: 10/301,077 Group Art Unit: 3746
 Filed: 11/21/2002 Examiner: Not assigned
 Title: DIESEL AFTERTREATMENT SYSTEMS

☒ CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. § 1.8(a))

I hereby certify that this correspondence is, on the date shown below, being:

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 Alexandria, VA 22313-1450

Date

5-27-03

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 Fax No: 703 306-5995
 Total No. of Pages: 12

Signature

Maria Leos
 Maria Leos

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 Director US Patent and Trademark Office
 P.O. Box 1450
 Alexandria, VA 22313-1450

SIR:

Please find attached a postcard, date stamped by the USPTO,
 indicating the filing date of the above identified application to be
 11/21/02, and the Filing Receipt also indicating the same filing date.

Please correct your records, and record the attached assignments to
 Ford Motor Company and Ford Global Technologies, LLC.

Please charge any cost incurred herein to Deposit Account 06-
 1510.

Respectfully submitted,

Julia Voutyras
 Julia Voutyras
 Registration No. 48,019
 Agent for Applicant(s)

Date: May 27, 2003
 Ford Global Technologies, LLC
 600 Parklane Towers East
 Dearborn, Michigan 48126
 313-390-4650; Fax: (313) 322-7162



Commissioner for Patents
Washington, DC 20591
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FILED REC'D	ATTY DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
10/301,077	11/21/2002	3746	740	202-1376	9	13	2

RECEIVED

CONFIRMATION NO. 4486

022844
FORD GLOBAL TECHNOLOGIES, LLC.
SUITE 600 - PARKLANE TOWERS EAST
ONE PARKLANE BLVD.
DEARBORN, MI 48126

APR 07 2003

UPDATED FILING RECEIPT



0000000009739568

FORD GLOBAL TECHNOLOGIES INC

Date Mailed: 03/31/2003

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Devash Upadhyay, Dearborn, MI;
Michael Goebelbecker, Dearborn Heights, MI;
Michael J. van Nieuwstadt, Ann Arbor, MI;
William Charles Ruona, Farmington Hills, MI;

Domestic Priority data as claimed by applicant

Foreign Applications

If Required, Foreign Filing License Granted: 01/05/2003

Projected Publication Date: 05/27/2004

Non-Publication Request: No

Early Publication Request: No

Title

Diesel aftertreatment systems

Preliminary Class

Scanned/Attached

Date 4/10/03 nt

PATENT
REEL: 013681 FRAME: 0187

**REQUEST FOR EARLY NOTIFICATION OF SERIAL NUMBER
AND FILING DATE FOR:**

Applicant(s): Upadhyay et al.
Title: DIESEL AFTERTREATMENT SYSTEMS
Drawing: X pages 9
Specification: X pages 17
IDS, PTO1449 w/references
DECLARATION: Yes
ASSIGNMENT(S): Yes (FORD & FGTI)
DOCKET NO.: 202-1376
ATTORNEY: Voutyras

J1002 U.S. PTO
10/301077
11/21/02



UNITED STATES
PATENT AND
TRADEMARK OFFICE

10/30/077

APRIL 01, 2003

PTAS

Under Secretary of Commerce For Intellectual Property and
Director of the United States Patent and Trademark Office
Washington, DC 20231
www.uspto.gov

FORD GLOBAL TECHNOLOGIES, INC.
SUITE 600 - PARKLANE TOWERS EAST
ONE PARKLANE BOULEVARD
DEARBORN, MI 48126



102299122A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF NON-RECORDATION OF DOCUMENT

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LAZENA MARTIN, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

4/17/03 mt