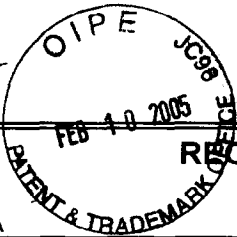


2-10-05



02-18-2005

FORM PTO-1595 (modified)

RECORD

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Attorney Docket No. 2004-1888A

102943937

To the Honorable Assistant Secretary and Commissioner of Patents and Trademarks: Please record the attached original document thereof.

1. Name of conveying party(ies):

Takashi KANEKO

Additional name(s) of conveying party(ies) attached? NO

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____
 Execution Date: January 20, 2005

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

Name: MITSUBISHI HEAVY INDUSTRIES, LTD.Street Address: 16-5, Konan 2-chome, Minato-ku, Tokyo
JAPAN

Additional name(s) & address(es) attached? 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)
11/002,061, filed December 3, 2004

B. Patent No.(s)

Additional numbers attached? NO

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

Name: WENDEROTH, LIND & PONACK, L.L.P.
Attn: Nils E. Pedersen, Esq.Street Address: 2033 K Street, N.W., Suite 800City: Washington, State: DC ZIP: 20006-10216. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41). \$ 40.00☒ Enclosed (Check No. 66581)
Authorized to be charged to deposit account8. Deposit account number: 23-0975

(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.*Nils E. Pedersen, Reg. No. 33,145
Name of Person Signing

Signature
February 10, 2005
DateTotal number of pages including cover sheet: 3

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

Do not detach this portion

Mail documents to be recorded with required cover sheet information:

Commissioner and Assistant Secretary of Patents and Trademarks
 Box Assignments
 Washington, D.C. 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding the burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.

02/16/2005 ECDOPER 00000313 11002061

01 FC:8021

40.00 DP

THE COMMISSIONER IS AUTHORIZED
 TO CHARGE ANY DEFICIENCY IN THE
 FEES FOR THIS PAPER TO DEPOSIT
 ACCOUNT NO. 23-0975

PATENT
 REEL: 016257 FRAME: 0641

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned

Insert Name(s)
of Inventor(s)

Takashi KANEKO

Insert Name(s)
of Assignee(s)

MITSUBISHI HEAVY INDUSTRIES, LTD.

Address

of 16-5, Konan 2-chome, Minato-ku, Tokyo, JAPAN

(hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as

Title of
Invention

EXHAUST EMISSION CONTROL DEVICE IN INTERNAL COMBUSTION ENGINE AND HEAT
ENGINE

Date of Signing
of Application

for which an application for patent in the United States has been executed by the undersigned
on _____

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of WENDEROTH, LIND & PONACK, L.L.P., 2033 K Street, N.W., Suite 800, Washington, D.C. 20006-1021, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordal of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date ✓ January 20, 2005 ✓ Takashi Kaneko
Takashi KANEKO

Date _____

Date _____

Date _____

Date _____

Date _____

(This assignment should preferably be acknowledged before a United States Consul. If not, then the execution by the Inventor(s) should be witnessed by at least two witnesses who sign here.)

Witness ✓ Kouichi Ozeki

Witness ✓ Shigeru Nakamura

ACKNOWLEDGMENT

} ss

This _____ day of _____, 20____, before me personally came the above-

named _____ to me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth.

SEAL

Official Signature

Official Title

The above application may be more particularly identified as follows:

U.S. Application Serial No. 11/002,061 Filing Date December 3, 2004

Applicant Reference Number 04-077US Atty Docket No. 2004-1888A

Title of Invention EXHAUST EMISSION CONTROL DEVICE IN INTERNAL COMBUSTION ENGINE AND HEAT ENGINE