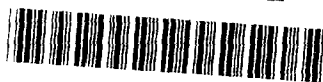


FORM PTO-1595

03-11-2002

HEET

U.S. DEPT. OF COMMERCE

MURD
2/19/2

To: Commissioner for Patents

102009005

nents.

1. Name of conveying party(ies):

Michel Deeba

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

1. ENGELHARD CORPORATION101 Wood Avenue - P.O. Box 770Iselin, New Jersey 08830-0770

3. Nature of conveyance:

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

Execution Dates January 17, 2002

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. 10/032,202

B. Patent No. *

Additional numbers attached? ☐ Yes ☒ No

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

Chief Patent Counsel
ENGELHARD CORPORATION
101 Wood Avenue - P.O. Box 770
Iselin, New Jersey 08830-0770

6. Total number of applications and patents involved *

7. Total fee (37 CFR 3.41).....\$40.00☒ Authorized to be charged to deposit account8. Deposit Account Number: 05-1070**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.

Richard A. Negin

Name of person signing

Signature

January 17, 2002

Date

Total number of pages including cover sheet, attachments, and document: 2

Mail documents to be recorded with required cover sheet information to:
Commissioner for Patents, Box Assignment
Washington, DC 20231

03/11/2002 AAHMD1 00000021 051070 10032202
01 FC:581 40.00 CH

ASSIGNMENT

Sole

WHEREAS, I, Michel Deeba

A citizen of the United States of America, residing at

30 Fairview Avenue, East Brunswick, New Jersey 08816

am the inventor of an invention in

APPARATUS AND METHOD FOR VEHICLE EMISSIONS CONTROL

for which I have executed an application for Letters Patent of the United States; and

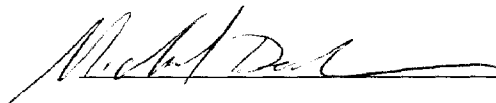
WHEREAS, ENGELHARD CORPORATION is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I the undersigned have sold assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ENGELHARD CORPORATION, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for said invention in any country or countries foreign to the United States, and all Letters Patent which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof and all rights of priority in any such country or countries based upon the filing of the said application for Letters Patent of the United States which are created by any law, treaty or international convention; and I hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to the said ENGELHARD CORPORATION, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY covenant that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to said ENGELHARD CORPORATION, its successors, legal representatives and assigns, any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ENGELHARD CORPORATION, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 17 day of January, 2002.

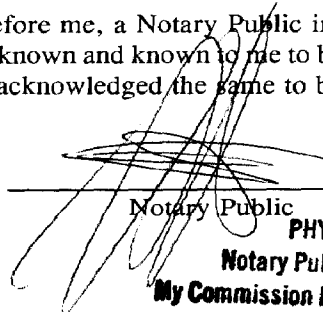
 L.S.

State of New Jersey)

ss.:

County of Middlesex)

On this 17th day of January, 2002, before me, a Notary Public in and for the State and County aforesaid, personally appeared Michel Deeba, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he acknowledged the same to be his free act and deed.


Notary Public
PHYLLIS NOVA
Notary Public of New Jersey
My Commission Expires August 31, 2004

RECORDED: 02/19/2002

PATENT
REEL: 012639 FRAME: 0249