

216/6

02-09-2006

Docket No. 4987

FORM PTO-1595



IEET

U.S. DEPT. OF COMMERCE

103176282

PATENT

To: Commissioner for Patents

Please record attached original documents.

1. Name of conveying party(ies):

Michael Patrick Galligan  
Josech Charles Dettling

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

1. ENGELHARD CORPORATION

101 Wood Avenue - P.O. Box 770

Iselin, New Jersey 08830-0770

3. Nature of conveyance:

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

Execution Dates February 1, 2006, February 3, 2006

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. 11/316,594

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 account

8. 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

February 3, 2006

Date

Total number of pages including cover sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to:  
Mail Stop Assignment Recordation Services, Commissioner for Patents, P.O. Box 1450,  
Alexandria, VA 22313-1450

02/08/2006 DBYRNE 00000166 051070 11316594

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PATENT  
REEL: 017538 FRAME: 0970

ASSIGNMENT

Joint

WHEREAS, WE,

Michael Patrick Galligan, 4 Victoria Court, Cranford, New Jersey 07016  
Joseph Charles Dettling, 8 Spicy Pond Road, Howell, New Jersey 07731

all Citizens of the United States of America, are the inventors of an invention in

EXHAUST INLET METALLIC FOAM TRAP COUPLED TO A DOWNSTREAM MONOLITHIC  
PRECIOUS METAL CATALYST

for which we 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:

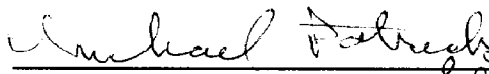
NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we the undersigned have sold assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set 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 we 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 WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to said ENGELHARD CORPORATION, its successors, legal representatives and assigns, any facts known to us 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, we hereunto set our hands and seals the day and year set opposite our respective signatures.

Date 2-1, 2006

  
Michael Patrick Galligan

Date 2-3, 2006

  
Joseph Charles Dettling

State of New Jersey       )  
                                  ss.:  
County of Middlesex       )

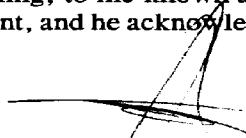
On this 27 day of February, 2006, before me, a Notary Public in and for the State and County aforesaid, personally appeared Michael Patrick Galligan, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he acknowledged the same to be his free act and deed.

  
\_\_\_\_\_  
Notary Public

**PHYLLIS NOVA**  
Notary Public of New Jersey  
My Commission Expires August 31, 2009

State of New Jersey       )  
                                  ss.:  
County of Middlesex       )

On this 3rd day of February, 2006, before me, a Notary Public in and for the State and County aforesaid, personally appeared Joseph Charles Dettling, 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, 2009