

FORM PTO-1595

05-31-2005



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U.S. DEPT. OF COMMERCE

103011863

To: Commissioner for Patents

Please record attached original documents.

1. Name of conveying party(ies):

Xiaolin David Yang

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 May 11, 2005

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. 11/127,615

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.

Russell G. Lindenfeldar

Reg. No.: 39,750

Name of person signing

Signature

5/24/05

Date

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

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

05/27/2005 EDOOPER 00000012 051070 11127615

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(40.00 DA)

ASSIGNMENT

Sole

WHEREAS, I, **Xiaolin David Yang**

A citizen of the United States of America, residing at

48 Netherwood Circle, Edison, New Jersey 08820

am the inventor of an invention in

**ALUMINA-BASED PEROVSKITE CATALYSTS
AND CATALYST SUPPORTS**

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 11th day of May, 2005.

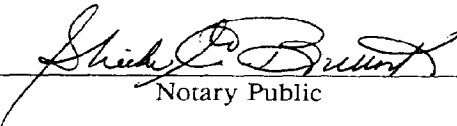

Xiaolin David Yang

State of New Jersey)

ss.:

County of Middlesex)

On this 11th day of May, 2005, before me, a Notary Public in and for the State and County aforesaid, personally appeared **Xiaolin D. Yang**, 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

SHEILA G. BULLOCK
Notary Public of New Jersey
I.D. No. 2201013
Commission Expires May 13, 2007