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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ASSIGNMENT COVER LETTER

TO THE COMMISSIONER OF PATENTS AND TRADEMARKS:

Please record the attached original document or a copy thereof:

1. Name of conveying parties: Execution Date:
Jacob Y. Wong September 30, 1999

2. Name and address of receiving party:
Engelhard Sensor Technologies, Inc.
6489 Calle Real
Goleta, California 93117

3. Nature of conveyance:
 Assignment
 Security Agreement
 Merger
 Change of Name
 Other:

4. In re U.S. Patent Application Number 08/757,194
Inventors: Marman, Douglas H.
Peltier, Mark A.
Wong, Jacob Y.
Filed: November 27, 1996
For: FIRE DETECTION AND CONTROL SYSTEM

In re U.S. Patent Number 5,945,924,
which issued on Application Number 08/901,723 filed 7/28/97
Inventors: Marman, Douglas H.
Peltier, Mark A.
Wong, Jacob Y.
Issued: August 31, 1999
For: FIRE AND SMOKE DETECTION AND CONTROL SYSTEM

5. Please direct all correspondence concerning this document to Paul S. Angello at the following address.

Stoel Rives LLP
900 SW Fifth Avenue, Suite 2600
Portland, Oregon 97204-1268

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6. Total number patents or applications involved: 2.
7. Total fee: \$80.00. (\$40.00 x 2).
 A check for \$80.00 in payment of the assignment recording fee is enclosed.
8. Please charge our Deposit Account No. 19-4455 in the amount of \$__. A duplicate copy of this sheet is enclosed.
 The Commissioner is hereby authorized to charge any additional fees which may be required in connection with filing of these papers, or credit overpayment, to Account No. 19-4455.
9. The information contained on this transmittal letter is true and correct to the best of the knowledge and belief of the person signing below and the attached copy is a true copy of an original document.

Respectfully submitted,

By 
Paul S. Angello
Registration No. 30,991

Number of pages in this conveyance including the assignment cover letter: 4.

Date: November 4, 1999
STOEL RIVES LLP
900 SW Fifth Avenue, Suite 2600
Portland, Oregon 97204-1268
Telephone: (503) 224-3380
Attorney Docket No. 21391/370

ASSIGNMENT

WHEREAS, I, Jacob Y. Wong of Santa Barbara,
County of Santa Barbara, State of California am a joint inventor
of the invention described in the following applications:

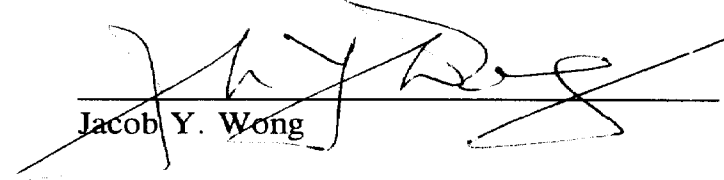
| <u>Title</u> | <u>Application No.</u> | <u>Filing Date</u> |
|---|------------------------|--------------------|
| FIRE AND SMOKE DETECTION AND CONTROL SYSTEM | 08/757,194 | 11/27/96 |
| FIRE AND SMOKE DETECTION AND CONTROL SYSTEM | 08/901,723 | 7/28/97 |
| FIRE AND SMOKE DETECTION AND CONTROL SYSTEM | PCT/US97/22179 | 11/26/97 |

WHEREAS, Engelhard Sensor Technologies, Inc. is desirous of
acquiring an interest therein:

NOW, THEREFORE, for good and valuable consideration, the
receipt of which is hereby acknowledged, I, Jacob Y. Wong, hereby sell,
assign, and transfer to Engelhard Sensor Technologies, Inc. the full and
exclusive right, title, and interest in and to said inventions, said patent
applications, and any and all patent rights and letters patent for said inventions
in the United States and elsewhere throughout the world, including foreign
patent priority rights and the right to apply for patents in foreign countries in
our names or in the name of Engelhard Sensor Technologies, Inc., and further
including all divisions and continuations of said application and of any foreign
patent applications and all reissues and extensions of patent rights and letters
patent for said inventions, all to be held and enjoyed by Engelhard Sensor
Technologies, Inc., for its own use and benefit, and by its successors and
assigns for their own use and benefit, for the full duration of the terms for
which patent rights and letters patent may be granted in this or any foreign
country, and covenant that I have full right so to do, and agree that I will

communicate to Engelhard Sensor Technologies, Inc., and its successors and assigns, any facts known to us respecting said inventions, and testify in any legal proceeding, sign all lawful papers, execute all lawful divisional, continuation, and reissue applications, make all rightful declarations or oaths, and do everything lawfully possible to aid Engelhard Sensor Technologies, Inc., and its successors and assigns, to obtain and enforce proper patent protection for said inventions in this or any foreign country.

Executed at Santa Barbara, State of California, this 30th day of September, 1999.

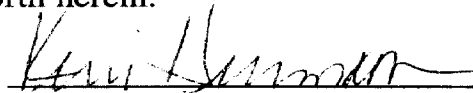


Jacob Y. Wong

STATE OF CALIFORNIA)
) ss.
County of Santa Barbara)

This 30th day of September, 1999, before me personally came the above-named Jacob Y. Wong, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth herein.





Notary Public for California
My commission expires: July 18, 2000