



08-14-2001

RECORDAT



Docket Number
ATMI 328CIP

101811141

TO THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS:
Please record the attached original document or copy thereof.

1. Name of conveying party (ies):

Frank DiMeo, Jr.
Thomas H. Baum

08/06/01

Additional name(s) of conveying party (ies) attached? Yes No

2. Name and address of receiving party:

Advanced Technology Materials, Inc.
7 Commerce Drive
Danbury, Connecticut 06810

Additional name(s) and addresses attached? Yes No

3. Nature of conveyance:

Assignment Merger Security Agreement Change of Name
 Other _____

Execution Date: 7/31/2001, 8/6/2001

4. Application number(s) or patent number(s): U.S. Serial No. 09/828,115

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

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

Robert A. McLauchlan
Advanced Technology Materials, Inc.
7 Commerce Drive
Danbury, Connecticut 06810
Telephone: 203-794-1100

7. Total Fee (37 CFR 3.41): \$ 40

Enclosed
 Authorized to be charged to deposit account

6. Total number of applications and patents involved: 1

8. Deposit account number:
50-0860

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.

8-6-01
Date

Margaret Chappuis
Reg. No. 45,735

ASSIGNMENT

We have made an invention described in the U.S. Patent Application entitled "**MICRO-MACHINED THIN FILM SENSOR ARRAYS FOR THE DETECTION OF H₂, NH₃, AND SULFUR CONTAINING GASES, AND METHOD OF MAKING AND USING THE SAME**" which has been executed by us on the same date as this Assignment for filed in the United States Patent and Trademark Office.

We assign to Advanced Technology Materials, Inc., 7 Commerce Drive, Danbury, Connecticut 06810, all of our ownership and rights in:

- (i) the invention and U.S. Patent Application;
- (ii) U.S. Patents on the invention; and
- (iii) corresponding foreign patent applications and patents.

We are making this assignment based on our relationship with Advanced Technology Materials, Inc.

We request the Commissioner of Patents and Trademarks of the United States and the appropriate officers of all foreign countries to issue patents on the invention to Advanced Technology Materials, Inc.

We agree to execute any other legal documents that may be required to effectuate this Assignment.

We agree that we will promptly communicate to Advanced Technology Materials, Inc. all facts that come to our attention affecting the invention or patent rights.

We agree that we will testify in any interference or litigation involving the invention or patent rights.

We state that we have not previously taken any action in conflict with this Assignment.

All correspondence in connection with this application should be sent to:

Robert A. McLauchlan, III
ATMI, Inc.
7 Commerce Drive
Danbury, CT 06810
Telephone: (203) 794-1100

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of first inventor: Frank DiMeo, Jr.
Inventor's Signature *Frank DiMeo, Jr.* Date 7/31/01
Residence: 27 Crows Nest Lane, Unit 19G, Danbury, Connecticut
Citizenship: USA
Post Office Address: 27 Crows Nest Lane, Unit 19G, Danbury, Connecticut

Full Name of first inventor: Thomas H. Baum
Inventor's Signature *Thomas H. Baum* Date 8-6-01
Residence: 2 Handol Lane, New Farifield, Connecticut 06812
Citizenship: USA
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