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11-18-1999



101203850

Docket Number
419

AND TRADEMARKS:

Please record the attached original document or copy thereof.

1. Name of conveying party (ies):

Edward A. Sturm
Gautam Bhandari
Craig RagagliaAdditional 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 06810Additional name(s) and addresses
attached? ☐ Yes ☒ No

3. Nature of conveyance:

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

Execution Date: November 4, 1999, November 9, 1999

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: November 4, 1999, November 9, 1999A. Patent Application No.(s)
09/409,042

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No5. Name and address of party to whom
correspondence concerning document
should be mailed:Oliver A. Zitzmann
ATMI, Inc.
7 Commerce Drive
Danbury, CT 06810
Telephone: (203)794-1100

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

☒ Enclosed☐ Authorized to be charged to deposit
account6. Total number of applications and patents
involved: 18. Deposit account number:
500860

11/16/1999 CVORACHA 00000020 09409042

02 FC:581

40.00 DP

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.*11/16/99
Date
Oliver A. Zitzmann
Reg. No. 38,691

ASSIGNMENT

We have made an invention described in the U.S. Patent Application entitled "**Burst Pulse Cleaning Method and Apparatus for Liquid Delivery System**" 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 which 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.

Edward A. Sturm
Edward A. Sturm

11/09/99

Date

State: Connecticut

County: Fairfield

Edward A. Sturm appeared before me on NOVEMBER 9TH, 1999. He declared to me that he is the person described in this Assignment. He executed this Assignment before me, and declared that his execution was completely voluntary.

Lynda-Jo Pixley
Notary Public

LYNDA-JO PIXLEY
NOTARY PUBLIC
MY COMMISSION EXPIRES FEB. 28, 2004

(SEAL)

My commission expires on:

2/28/04

Gautam Bhandari

Gautam Bhandari

11/4/99

Date

State: Connecticut

County: Fairfield

Gautam Bhandari appeared before me on NOVEMBER 4, 1999, 1999. He declared to me that he is the person described in this Assignment. He executed this Assignment before me, and declared that his execution was completely voluntary.

Lynda-Jo Pixley
Notary Public

LYNDA-JO PIXLEY
NOTARY PUBLIC
MY COMMISSION EXPIRES FEB. 28, 2004

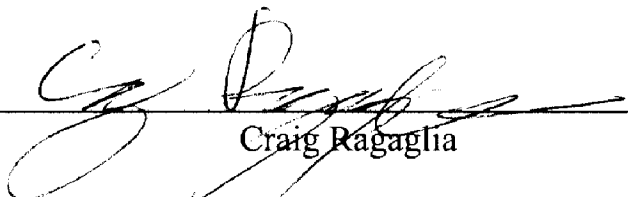
(SEAL)

My commission expires on:

2/28/04

PATENT

REEL: 010379 FRAME: 0697



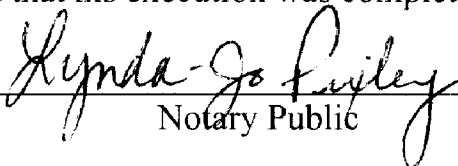
Craig Ragaglia

11-7-99
Date

State: *Connecticut*

County: *Fairfield*

Craig Ragaglia appeared before me on _____, 1999. He declared to me that he is the person described in this Assignment. He executed this Assignment before me, and declared that his execution was completely voluntary.



Notary Public

(SEAL)

My commission expires on:

2/28/04

LYNDA-JO PIXLEY
NOTARY PUBLIC
MY COMMISSION EXPIRES FEB. 28, 2004