

09-13-2001



FORM PTO-1596

1-31-92

PT

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

Docket No.: 50212-269

101841742

To the Honorable Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereto:

1. Name of Conveying Party(ies):

Michio ARUGA and Atsushi TABATA

Additional name(s) of conveying party(ies) attached? ☒ Yes

3. Nature of Conveyance:

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

Execution Date: August 21, 2001

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

Name: APPLIED MATERIALS INC.

Address: 3050 Bowers Avenue

Santa Clara, California 95054

Additional name(s) & address(es) attached? ☐ Yes

4. Application number(s) or patent number(s):

If the document is being filed together with a new application, the execution date of the application is: August 21, 2001

A. Patent Application No(s).

B. Patent No(s).

Additional numbers attached? ☐ Yes

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

Name: MCDERMOTT, WILL & EMERY

Internal Address:

Street Address: 600 13th Street, N.W.

City: Washington State: DC Zip: 20005

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)

\$40.00

☐ Enclosed☒ Authorized to be charged to deposit account

8. Deposit account number:

500417

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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.

Arthur J. Steiner, 26,106

August 29, 2001

Name and Registration No. of Person Signing

Signature

Date

Total number of pages comprising cover sheet: 1

CMB No. 0851-0011 (exp. 4/94)

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 J1011 U.S. PTO
 09/940619
 08/29/01

 PATENT
 REEL: 012144 FRAME: 0413

ASSIGNMENT

Whereas, I/we,

NameAddress

c/o Applied Materials Japan, Inc.,

1) **Michio ARUGA**14-3, Shinizumi,
Narita-shi, Chiba 286-8516 Japan

c/o Applied Materials Japan, Inc.,

2) **Atsushi TABATA**14-3, Shinizumi,
Narita-shi, Chiba 286-8516 Japan

hereinafter called assignor(s), have invented certain improvements in
FILM FORMATION METHOD AND FILM FORMATION APPARATUS

and executed an application for Letters Patent of the United States of America therefor on even date herewith unless
 otherwise indicated below:

filed on _____, Serial No. _____; and

Whereas

APPLIED MATERIALS INC.

3050, Bowers Avenue,
 Santa Clara, CA 95054 United States of America

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States
 patents to be obtained therefor;

NOW THEREFORE, be it known that, for good and valuable consideration from assignee, the receipt of which is
 hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign,
 transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to
 this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States
 which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of
 Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and
 assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with
 assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal
 proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or
 desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional,
 continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its
 successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being
 understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and
 assigns.

INVENTORSDATE SIGNED

1):

Name:


Michio ARUGA

August 21, 2001

2):

Name:


Atsushi TABATA

August 21, 2001

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 261)