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S. Department of Commerce
Patents & Trademark Office

Attorney Docket No. 026390-00022
Date: November 30, 2004

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MRO 11-30-04

To the Director of the Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

1) Takakazu YAMADA 5) Masaki UEMATSU
2) Takeshi MASUDA 6) Koukou SUU
3) Masahiko KAJINUMA
4) Yutaka NISHIOKA

Execution Date: 1) 4) 5) Oct. 6, 2004; 2) 3) Oct. 7, 2004; 6) Nov. 8, 2004

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

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

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

Name: ULVAC, INC.

Address: 2500 Hagisono, Chigasaki-shi,
Kanagawa-ken, 253-8543, Japan

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s): 10/911,639 ☐ This document is being filed together with a new application.

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:

Name: Arent Fox PLLC
Street Address: 1050 Connecticut Avenue, N.W., Suite 400
Washington, D.C. 20036-5339
Tel. No.: 202-857-6000
Fax No.: 202-638-4810
Email Address: dcipdocket@arentfox.com

6. Total number of applications and patents involved: One

7. Total fee (37 CFR 1.21(h) & 3.41)..... \$ 40.00

☒ Included in attached check.
☐ Authorized to be charged by credit card.
☐ Authorized to be charged to Deposit Account.
☒ Any additional fees are authorized to be charged to deposit account.

8. Payment Information

a. Credit Card Last 4 Numbers: _____
Expiration Date: _____

b. Deposit account number: 01-2300 (Attach duplicate copy of this page if paying by deposit account)

Authorized User Name: _____

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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.

George E. Oram, Jr.

Name of Person Signing
Reg. No. 27,931

George E Oram Jr

Signature

November 30, 2004

Date

Total number of pages including cover sheet, attachments, and document: 2

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PATENT
REEL: 016033 FRAME: 0461

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventors (hereinafter ASSIGNOR) by:

ULVAC, INC.
of 2500, Hagisono, Chigasaki-shi, Kanagawa-ken, 253-8543, JAPAN

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled:

Shower Head, Device and Method for Manufacturing Thin Films

for which application for Letters Patent of the United States was filed on August 5, 2004, and assigned Serial No. 10/911,639 (Arent Fox PLLC is hereby authorized to insert the series code, serial number and/or filing date hereon, when known) and all Letters Patent of the United States to be obtained therefor on said application or any continuation, divisional, renewal, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventors have affixed their signatures.

<u>Takakazu Yamada</u> (SIGNATURE)	<u>Takakazu YAMADA</u> (TYPE NAME)	<u>Oct. 6, 2004</u> (DATE)
<u>Takeshi Masuda</u> (SIGNATURE)	<u>Takeshi MASUDA</u> (TYPE NAME)	<u>Oct. 7, 2004</u> (DATE)
<u>Masahiko Kajinuma</u> (SIGNATURE)	<u>Masahiko KAJINUMA</u> (TYPE NAME)	<u>Oct 7, 2004</u> (DATE)
<u>Yutaka Nishioka</u> (SIGNATURE)	<u>Yutaka NISHIOKA</u> (TYPE NAME)	<u>Oct 6, 2004</u> (DATE)
<u>Masaki Uematsu</u> (SIGNATURE)	<u>Masaki UEMATSU</u> (TYPE NAME)	<u>Oct. 6, 2004</u> (DATE)
<u>Koukou SUU</u> (SIGNATURE)	<u>Koukou SUU</u> (TYPE NAME)	<u>Nov. 8, 2004</u> (DATE)

NO LEGALIZATION REQUIRED