



To the Honorable Commissioner of

102646752

ed original documents or copy thereof. O

1. Name of conveying party(ies)

1-6-04

2. Name and address of receiving party(ies)

Robert Trujillo
David Carlsson

Roger Anderson
Michael Hale

Name: Applied Materials, Inc.

Internal Address: Patent Department

Mail Stop 2061

Street Address: P.O. Box 450A

City: Santa Clara State: CA ZIP: 95052

Additional name(s) & address(es) attached? [] Yes [X] No

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: JANUARY 5 2004

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

10752145

If this document is being filed together with a new application, the execution date of the application is: JAN. 6, 2004

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? [] Yes [X] No

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

Name: Applied Materials, Inc.
Patent Department, M/S 2061
 Address: P.O. Box 450A
Santa Clara, California 95052

6. Total number of applications and patents involved: 1

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

8. Please charge any additional fees or credit any

(Attach duplicate copy of this page if paying by deposit account)

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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.

Robert W. Mulcahy, Reg. No. 25,436
Name of Person Signing

Signature

January 6, 2004
Date

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

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

- | | |
|--|--|
| 1) Robert Trujillo
805 Daffodil Way
San Jose, California 95117
U.S.A. | 2) Roger Anderson
776 Pear Avenue
Sunnyvale, California 94087
U.S.A. |
| 3) David Carlson
4054 Claitor Way
San Jose, California 95132
U.S.A. | 4) Michael Hale
3377 Hillside Court
San Jose, California 95132
U.S.A. |

(hereinafter referred to as Assignors), have invented a certain invention entitled:

"HALOGEN LAMP ASSEMBLY WITH INTEGRATED HEAT SINK"

- which is attached hereto
- for which application for Letters Patent in the United States was filed on _____, under Serial No. _____, executed on even date herewith; and

WHEREAS, Applied Materials, Inc., a corporation of the State of Delaware, having a place of business at 3050 Bowers Avenue, Santa Clara, California 95054 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title, and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates, and other forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer, and convey to Assignee the full and exclusive right, title, and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title, and interest to said Invention herein


conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title, and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefor and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions, and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives, and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.


IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1) 1-5-04
Date



Robert Trufflo

2) 1-5-04
Date



Roger Anderson

3) 1-5-04
Date



David Carlson

4) 1-5-04
Date



Michael Hale