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FORM PTO-1595

(Rev. 6-93)

OMB No. 0651-0011 (Exp. 4/94)

RECORDATION FORM COVER SHEET

PATENTS ONLY

To the honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
ORBOT INSTRUMENTS, LIMITEDAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

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

APPLIED MATERIALS, INC.
P.O. Box 450A
Santa Clara, California 95052

3. Nature of Conveyance:

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

Additional name(s) attached? ☐ Yes ☒ No

Execution Date: 12 MAY 2000

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:

A. Patent Application No.(s)

B. Patent No.(s)

5,699,447

Additional numbers attached?

☒ Yes ☐ No

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

Applied Materials, Inc.
Attn: Patent Group
2881 Scott Blvd., M/S 2061
Santa Clara, CA 95050

6. Total number of application and patents involved: 26

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

☐ Enclosed☒ Authorized to be charged to deposit account

8. Deposit account number: 50-1074

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

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 of the original document.

Reg. No.: 44,417

Name of Person Signing: Peter J. Yim

Signature:

Date: May 25, 2000

Total number of pages including cover sheet, attachments, and document: 3

CERTIFICATE OF MAILING PURSUANT TO 37 C.F.R. § 1.8

Date of Deposit: May 25, 2000

I hereby certify that this paper or fee is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope pursuant to 37 CFR 1.8 on the date indicated above and is addressed to the Honorable Commissioner of Patents and Trademarks, Box Assignn Washington, D.C. 20231.

Date: May 25, 2000

By:

Vladimir Skliba

PAT. NO.
5,982,921
5,619,429
5,586,058
5,619,588
5,907,628
5,892,579
5,797,317
5,466,940
5,644,132
5,659,172
5,311,288
4,941,980
4,714,833
4,831,266
4,896,036
4,954,705
5,021,670
5,146,090
5,329,125
5,428,442
B1 RE 33,956
RE 33,956
5,854,674
4,811,409
5,172,000

PATENT ASSIGNMENT

WHEREAS, ORBOT INSTRUMENTS, LIMITED, having offices in Yavne, Israel, (hereinafter referred to as "Assignor") owns rights and interest in and to the U.S. utility patents listed on the attached Schedule A (hereinafter referred to as "Existing Patents"); and

WHEREAS, APPLIED MATERIALS, INCORPORATED, having offices in California, United States of America (hereinafter referred to as "Assignee"), desires to acquire Assignor's entire rights and interests in and to Existing Patents, and in and to the inventions disclosed in said Existing Patents, and to the Future Patents (as hereinafter defined) as successor to the business of Assignor, which business is ongoing and existing.

NOW THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor does hereby sell, assign and transfer unto said Assignee, its successors, assigns and legal representatives, Assignor's full rights and interests in and to said Existing Patents, and to all future patents which may be granted therefor throughout the world, and all division, reissues, substitutions, continuations, continuations-in-part and extensions thereof (collectively, "Future Patents"), together with all claims, causes of action and damages for past infringement, if any, of said Existing Patents and Future Patents; and Assignor hereby authorizes and requests the United States Patent and Trademark Office and other patent offices throughout the world to issue all Future Patents resulting therefrom insofar as Assignor's interest is concerned, to the said Assignee of Assignor's entire right, title and interest.

Assignor also hereby sells and assigns to Assignee, its successors, assigns and legal representatives Assignor's full rights and interests to inventions disclosed in said Existing Patents and Future Patents throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said inventions in Assignee's own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said inventions and all rights to register said inventions in appropriate registries; and Assignor further agrees to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith reasonably necessary to perfect such right, title and interest in Assignee, its successors, assigns and legal representatives.

Assignor hereby further agrees that Assignor will communicate to said Assignee, or to its successors, assigns and legal representatives, any facts known to Assignor respecting any improvements, and, at the expense of said Assignee, will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make all lawful oaths, and general do everything possible to vest title in said Assignee and to aid said Assignee, its successors, assigns and legal representatives in obtaining and enforcing proper protection for said Existing Patents and Future Patents in such countries as Assignee may elect.

IN WITNESS WHEREOF, Assignor has caused this instrument to be executed effective May 12, 2000.

ORBOT INSTRUMENTS, LIMITED

By: 

Name and Title: Joseph J. Sweeney, President

SCHEDULE A

PAT. NO.	TITLE	ISSUE DATE
5,699,447	TWO-PHASE OPTICAL INSPECTION METHOD AND APPARATUS FOR DEFECT DETECTION	16 DEC 1997
5,982,921	OPTICAL INSPECTION METHOD AND APPARATUS	9 NOV 1999
5,619,429	APPARATUS AND METHOD FOR INSPECTION OF A PATTERNED OBJECT BY COMPARISON THEREOF TO A REFERENCE	8 APR 1997
5,586,058	APPARATUS AND METHOD FOR INSPECTION OF A PATTERNED OBJECT BY COMPARISON THEREOF TO A REFERENCE	17 DEC 1996
5,619,588	APPARATUS AND METHOD FOR COMPARING AND ALIGNING TWO DIGITAL REPRESENTATIONS OF AN IMAGE	8 APR 1997
5,907,628	APPARATUS AND METHOD FOR COMPARING AND ALIGNING TWO DIGITAL REPRESENTATIONS OF AN IMAGE	25 MAY 1999
5,892,579	OPTICAL INSPECTION METHOD AND APPARATUS	6 APR 1999
5,797,317	UNIVERSAL CHUCK FOR HOLDING PLATES OF VARIOUS SIZES	25 AUG 1998
5,466,940	ELECTRON DETECTOR WITH HIGH BACKSCATTERED ELECTRON ACCEPTANCE FOR PARTICLE BEAM APPARATUS	14 NOV 1995
5,644,132	SYSTEM FOR HIGH RESOLUTION IMAGING AND MEASUREMENT OF TOPOGRAPHIC AND MATERIAL FEATURES ON A SPECIMEN	1 JUL 1997
5,659,172	RELIABLE DEFECT DETECTION USING MULTIPLE PERSPECTIVE SCANNING ELECTRON MICROSCOPE IMAGES	19 AUG 1997
5,311,288	METHOD AND APPARATUS FOR DETECTING SURFACE DEVIATIONS FROM A REFERENCE PLANE	10 MAY 1995
4,941,980	SYSTEM FOR MEASURING A TOPOGRAPHICAL FEATURE ON A SPECIMEN	17 JUL 1996
4,714,833	ARRANGEMENT FOR DETECTING SECONDARY AND/OR BACKSCATTER ELECTRONS IN AN ELECTRON BEAM APPARATUS	22 DEC 1988
4,831,266	DETECTOR OBJECTIVE FOR PARTICLE BEAM APPARATUS	16 MAY 1989
4,896,036	DETECTOR OBJECTIVE FOR SCANNING MICROSCOPES	23 JAN 1990
4,954,705	METHOD FOR EXAMINING A SPECIMEN IN A PARTICLE BEAM INSTRUMENT	4 SEP 1990
5,021,670	MULTIPOLE ELEMENT	4 JUN 1991
5,146,090	PARTICLE BEAM APPARATUS HAVING AN IMMERSION LENS ARRANGED IN AN INTERMEDIATE IMAGE OF THE BEAM	8 SEP 1991
5,329,125	DEVICE FOR CORPUSCULAR-OPTICAL EXAMINATION AND/OR PROCESING OF MATERIAL SAMPLES	12 JUL 1993
5,428,442	INSPECTION SYSTEM FOR IN-LENS, OFF-AXIS ILLUMINATION	27 JUN 1994
B1 RE 33,956	INSPECTION SYSTEM FOR IN-LENS, OFF-AXIS ILLUMINATION	7 JUN 1994
RE 33,956	INSPECTION SYSTEM FOR IN-LENS, OFF-AXIS ILLUMINATION	9 JUN 1994
5,854,674	METHOD OF HIGH SPEED, HIGH DETECTION SENSITIVITY INSPECTION OF REPETITIVE AND RANDOM SPECIMEN PATTERNS	29 DEC 1997
4,811,409	METHOD AND APPARATUS FOR DETECTING DEFECT INFORMATION IN A HOLOGRAPHIC IMAGE PATTERN	7 MAR 1989
5,172,000	SPATIAL FILTER FOR OPTICALLY BASED DEFECT INSPECTION SYSTEM	15 DEC 1992