07-29-1999 REC FORM PCC-1595 U.S. DEPARTMENT OF COMMERCE E Modat edi Patent and Trademark Office To the Honorable Commiss :tached original documents or 101103578 copy thereof 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): EXECUTION DATE Name: Applied Materials, Inc. SASSON SOMEKH Internal Address: Legal Affairs Departmen Additional name(s) of conveying part(ies) attached?□ 3. Nature of conveyance: Street Address: P. O. Box 450A ☑ Assignment □ Merger M/S #2061 \square Change of Name ☐ Security Agreement City: Santa Clara State CA Zip 95054 Other _ Additional Name(s) & address(es) attached?□ Yes ☑ No Execution Date: ___SEE ABOVE 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: $\frac{7}{15}$ <u>Attached</u> A. Patent Application No.(s) B. Patent No.(s) Serial No.: 09/ Filing Date: Additional Numbers attached? ☐ Yes ☑ No 5. Name and address of party to whom correspondence 6. Total number of applications and patents concerning document should be mailed: involved: 1 Name: PATENT COUNSEL Internal Address: Applied Materials, Inc. 7. Total fee (37 CFR 3.41).....\$40,00 Legal Affairs Dept. ☐ Enclosed Street Address: P. O. Box 450A ☑ Authorized to be charged to deposit account M/S 2061 8. Deposit account number: 01-1651 City: Santa Clara State: CA ZIP: 95052 (Attach duplicate copy of this page if paying by deposit account) 07/29/1999 DMGUYEN 00000107 011651 09358512 DO NOT USE THIS SPACE FC:581 40.00 CH 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and any attached copy is a true copy of the original document. Robert W. Mulcahy, Reg. No.25,436

10. Total number of pages comprising cover sheet, attachments, and document: _

Name of Person Signing

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

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses

of Inventors:

	1)	SASSON SOMEKH	2)	AMOTZ MAIMON
1	·	25625 Moody Road		10160 Parkwood Drive No. 8
		Los Altos Hills, California 94022		Cupertino, California 95104

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

"REAL TIME DEFECT SOURCE IDENTIFICATION"

for which application for Letters Patent in the United States was filed on HEREWITH. under Serial No. UNKNOWN, 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:

- 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.
- 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)	7/15/97	SASSON SOMEKH
2)		AMOTZ MAIMON
3)		
4)		
5)		
8)		