

APPLIED MATERIALS INC /DE
 Form 4
 September 05, 2007

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
 Washington, D.C. 20549

OMB APPROVAL
 OMB Number: 3235-0287
 Expires: January 31, 2005
 Estimated average burden hours per response... 0.5

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
 SPLINTER MICHAEL R

2. Issuer Name and Ticker or Trading Symbol
 APPLIED MATERIALS INC /DE
 [AMAT]

5. Relationship of Reporting Person(s) to Issuer
 (Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)
 08/31/2007

Director 10% Owner
 Officer (give title below) Other (specify below)
 President and CEO

C/O APPLIED MATERIALS, INC., PO BOX 58039, 3050 BOWERS AVE, M/S 2023

(Street)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

SANTA CLARA, CA 95054

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Ownership (Instr. 4)
Common Stock	08/31/2007		F	(A) or (D) 4,469 (1)	\$ 21.36 (3)	D	
Common Stock					300,000	I	Revocable Trust
Common Stock					250.205 (4)	I	By the 401(k) Plan

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Persons who respond to the collection of information contained in this form are not

SEC 1474 (9-02)

required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Owned Following Transaction (Instr. 5)
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

SPLINTER MICHAEL R
C/O APPLIED MATERIALS, INC.
PO BOX 58039, 3050 BOWERS AVE, M/S 2023
SANTA CLARA, CA 95054

X

President and CEO

Signatures

/s/ Charmaine Mesina,
Attorney-in-Fact

09/05/2007

**Signature of Reporting Person

Date

Explanation of Responses:

* If the form is filed by more than one reporting person, see Instruction 4(b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

(1) Represents shares that were automatically withheld to cover tax withholding obligations in a transaction exempt under Rule 16b-3.

Increased in number of shares reflects periodic payroll acquisitions under Employees' Stock Purchase Plan that are exempt under Rule 16a-10 and Rule 16b-3. Number of shares includes: (a) 150,000 shares of restricted stock previously reported that, provided specified performance goals are achieved, are scheduled to vest no earlier than in four equal annual installments beginning 12/19/07 (subject to continued employment); and (b) 375,000 performance shares (or restricted stock units) previously reported that in the future will be converted on a one-for-one basis into shares of Applied Materials, Inc. Continued on footnote number (3).

(3) common stock immediately upon vesting, which vesting is scheduled to occur as follows: 25,000 performance shares are scheduled to vest in two equal annual installments beginning 8/31/08; and, provided specified performance goals are achieved, 350,000 performance shares are scheduled to vest no earlier than in four equal annual installments beginning 12/19/07 (all vesting is subject to continued employment).

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- (4) Increased number of shares reflects periodic allocation of accrued interest to all participants under 401(k) Plan that are exempt under Rule 16b-3.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.