

SPLINTER MICHAEL R  
 Form 4  
 December 12, 2007

**FORM 4**

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

OMB APPROVAL

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

3. Date of Earliest Transaction (Month/Day/Year)  
 12/10/2007

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

SANTA CLARA, CA 95054  
 (City) (State) (Zip)

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

**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 Beneficial Ownership (Instr. 4)
Common Stock	12/10/2007		A	(A) 350,000 (1)	\$ 0 894,714 (2)	D	
Common Stock	12/10/2007		A	(A) 100,000 (3)	\$ 0 994,714 (2)	D	
Common Stock					300,000	I	Revocable Trust
Common Stock					251,728 (4)	I	By the 401(k) Plan

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

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(9-02)

**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 Beneficially Owned (Instr. 6)
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## 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  
12/12/2007  
Date

Signature of Reporting Person

## 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 performance shares (restricted stock units) that will be converted on a one-for-one basis into shares of Applied Materials, Inc. common stock upon vesting. These performance shares will vest only after the satisfaction of specified performance goals. Provided such goals are achieved, vesting is scheduled to occur no earlier than in four equal annual installments beginning 12/19/08 (subject to continued employment).
- (2) Number of shares also 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. common stock immediately upon vesting, which vesting is scheduled to occur as follows:

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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).

Represents shares of restricted stock. These shares of restricted stock will vest only after the satisfaction of specified performance goals.

- (3) Provided such goals are achieved, vesting is scheduled to occur no earlier than in four equal annual installments beginning 12/19/08 (subject to continued employment).
- (4) Increased number of shares reflects dividend reinvestment and periodic allocation of accrued interest (which interest was automatically converted into shares) 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.

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