#### APPLIED MATERIALS INC /DE

Form 4

Common

Common

Common

Stock

Stock

Stock

08/31/2007

September 05, 2007

E O D I							OMB 4	PPROVAL		
FORIN	FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549							3235-0287		
if no long subject to Section 1 Form 4 c Form 5 obligation may con	Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction  See Instruction  STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES  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)				
INC., PO B	(First) ED MATERIA OX 58039, 30. AVE, M/S 202	50		of Earliest Transaction Day/Year) 2007		_X Director 10% Owner X Officer (give title Other (specify below) President and CEO				
				endment, Date Original onth/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person					
(City)	(State)	(Zip)	Tab	le I - Non-Derivative S	ecurities Acq	quired, Disposed o	of, or Beneficia	ally Owned		
1.Title of Security (Instr. 3)	2. Transaction D (Month/Day/Ye	ar) Executio any	med n Date, if Day/Year)	Transaction(A) or Disp Code (Instr. 3, 4 (Instr. 8)		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)		

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

Code V

F

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)

544,714 (2)

300,000

250.205 (4)

(3)

D

I

Price

21.36

\$

Amount (D)

D

4,469

(1)

Revocable

401(k) Plan

Trust

By the

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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	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Titl	le and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transaction	orNumber	Expiration D	ate	Amou	ınt of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	rlying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Secur	ities	(Instr. 5)	Bene
	Derivative				Securities			(Instr.	. 3 and 4)		Own
	Security				Acquired						Follo
					(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									Amount		
						Date Exercisable	Expiration Date	Title 1	or Namel		
									Number		
				C-1- V	(A) (D)				of		
				Code v	(A) $(D)$				Shares		

# **Reporting Owners**

Relationships Reporting Owner Name / Address

> 10% Owner Officer Other Director

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
- (2) 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).
- 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).

Reporting Owners 2

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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.