SPLINTER MICHAEL R

Form 4

August 27, 2010

FORM 4

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

OMB Number:

3235-0287

0.5

if no longer subject to

Check this box

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

January 31, Expires: 2005 Estimated average

OMB APPROVAL

Section 16. Form 4 or Form 5

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,

burden hours per response...

obligations may continue. See Instruction

Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type I	Responses)												
1. Name and A SPLINTER	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., P.O. I	(Last) (First) (Middle) C/O APPLIED MATERIALS, INC., P.O. BOX 58039, 3050 BOWERS AV, M/S 2023				3. Date of Earliest Transaction (Month/Day/Year) 02/22/2010					X Director 10% Owner X Officer (give title Other (specify below) Chairman, President and CEO			
Fi				4. If Amendment, Date Original Filed(Month/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				
SANTA CLARA, CA 95054 — Form fined by More than One Reporting Person													
(City)	(State)	(Zip)	Tabl	e I - No	n-D	erivative S	ecuri	ties Acc	quired, Disposed	of, or Benefici	ally Owned		
1.Title of Security (Instr. 3)	2. Transaction Dat (Month/Day/Year)	Executio any	med n Date, if Day/Year)	3. Transa Code (Instr.		4. Securitin(A) or Dis (D) (Instr. 3, 4)	sposed	of	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	02/22/2010			G	V	12,528	D	\$0	1,110,625 (1) (2)	D			
Common Stock									300,000	I	Revocable Trust		
Common Stock									263.733 (3)	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 SEC 1474 information contained in this form are not (9-02)

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

2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Title	and	8. Price of	9. Nu
Conversion	(Month/Day/Year)	Execution Date, if	Transaction	onNumber	Expiration D	ate	Amoun	nt of	Derivative	Deriv
or Exercise		any	Code	of	(Month/Day/	Year)	Underl	ying	Security	Secui
Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securit	ies	(Instr. 5)	Bene
Derivative				Securities			(Instr. 3	3 and 4)		Owne
Security				Acquired						Follo
				(A) or						Repo
				Disposed						Trans
				of (D)						(Instr
				(Instr. 3,						
				4, and 5)						
								Amount		
					Date	Expiration				
					Exercisable	Date				
			Code V	(A) (D)						
	Conversion or Exercise Price of Derivative	Conversion (Month/Day/Year) or Exercise Price of Derivative	Conversion (Month/Day/Year) Execution Date, if or Exercise any Price of (Month/Day/Year) Derivative	Conversion (Month/Day/Year) Execution Date, if Transaction or Exercise any Code Price of (Month/Day/Year) (Instr. 8) Derivative Security	Conversion (Month/Day/Year) Execution Date, if TransactionNumber or Exercise any Code of Price of (Month/Day/Year) (Instr. 8) Derivative Security Acquired (A) or Disposed of (D) (Instr. 3,	Conversion or Exercise any Code of (Month/Day/Pear) Price of (Month/Day/Year) Derivative Security Code of (Month/Day/Pear) Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) Date Exercisable	Conversion (Month/Day/Year) Execution Date, if any Code of (Month/Day/Year) Price of (Month/Day/Year) (Instr. 8) Derivative Security Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) Date Expiration Date Expiration Date Code of (Month/Day/Year) (Instr. 8) Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	Conversion (Month/Day/Year) Execution Date, if TransactionNumber Expiration Date Amour or Exercise any Code of (Month/Day/Year) Underly Price of (Month/Day/Year) (Instr. 8) Derivative Securities (Instr. 5) Derivative Securities (Instr. 7) Derivative (A) or Disposed of (D) (Instr. 3, 4, and 5) Date Expiration Date Amour Code of (Month/Day/Year) Underly Securities (Instr. 7) Date Expiration Exercisable Date Title	Conversion (Month/Day/Year) Execution Date, if any Code of (Month/Day/Year) Underlying Code of (Month/Day/Year) Underlying Securities Price of (Month/Day/Year) (Instr. 8) Derivative Security Securities Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) Date Expiration Date Amount of (Month/Day/Year) Underlying Securities Securities (Instr. 3 and 4) Amount of (Month/Day/Year) Underlying Securities Securities Faction Date Expiration Date Amount of (Month/Day/Year) Underlying Securities Securities Faction Date Expiration Date Expiration Date Or Number of	Conversion of Month/Day/Year)

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
SPLINTER MICHAEL R C/O APPLIED MATERIALS, INC. P.O. BOX 58039, 3050 BOWERS AV, M/S 2023 SANTA CLARA CA 95054	X		Chairman, President and CEO				

Signatures

/s/ Charmaine Mesina, Attorney-in-Fact

08/27/2010

**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).

Increased 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 also includes: (a) 152,500 shares of restricted stock previously reported that are scheduled to vest as follows: (i) 37,500 shares are scheduled to vest on 12/19/10; (ii) 35,000 shares are scheduled to vest in two equal annual

- (1) installments beginning 12/19/10; (iii) provided specified performance goals are achieved, 30,000 shares are scheduled to vest: (1) as to 22,500 shares no earlier than on 12/19/10 and (2) as to 7,500 shares no earlier than on 12/19/11; and (iv) provided specified performance goals are achieved, 50,000 shares are scheduled to vest no earlier than in four equal annual installments beginning 12/19/10 (all vesting is subject to continued employment through each vest date); and (Continued in footnote 2)
- (2) (b) 665,000 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 upon vesting, which vesting is scheduled to occur as follows:(i) 87,500 performance shares are scheduled to vest on 12/19/10; (ii) 122,500 performance shares are scheduled to vest in two equal annual installments beginning 12/19/10; (iii) provided specified performance goals are achieved, 105,000 performance shares are scheduled to vest: (1) as to 78,750 shares no earlier than on 12/19/10 and (2) as to 26,250 shares no earlier than on 12/19/11; and (iv) provided specified performance

Reporting Owners 2

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goals are achieved, 350,000 performance shares are scheduled to vest no earlier than in four equal annual installments beginning 12/19/10 (all vesting is subject to continued employment through each vest date).

(3) Increased number of shares reflects dividend reinvestment under the 401(k) Plan that is 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.