SEC	Form	4
-----	------	---

### FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940 OMB APPROVAL
OMB Number: 3235-0287
Estimated average burden
hours per response: 0.5

				ng Symbol       5. Relationship of Reporting Person(s) to Issuer (Check all applicable)         Director       10% Owner         x       Officer (give title other (specify below)         sr. VP, GC & Corp. Secretary		
1	Address of Reporting F	Person*	2. Issuer Name and Ticker or Trading Symbol <u>APPLIED MATERIALS INC /DE</u> [ AMAT ]			rson(s) to Issuer
Sweeney	<u>  Joseph J</u>				Director	10% Owner
			23			
(Last)	(First)	(Middle)			,	,
C/O APPL	IED MATERIALS,	INC.	12/02/2010		Sr. VP, GC & Col	p. Secretary
P.O. BOX	58039, 3050 BOWI	ERS AV, M/S 2023				
(Ctro ot)			4. If Amendment, Date of Original Filed (Month/Day/Year)		vidual or Joint/Group Filir	ng (Check Applicable
(Street)	LARA CA	95054		X	Form filed by One Re	porting Person
		93034	_			an One Reporting
(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	3. Transa Code (		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially	6. Ownership Form: Direct (D) or Indirect	7. Nature of Indirect Beneficial	
		(Month/Day/Year)	8) Code	v	Amount	Amount (A) or (D)		Owned Following Reported Transaction(s) (Instr. 3 and 4)	(l) (Instr. 4)	Ownership (Instr. 4)	
Common Stock	12/02/2010		М		100,000	Α	\$8.58	401,780 <sup>(1)</sup>	D		
Common Stock	12/02/2010		S		100,000	D	\$12.967	301,780 <sup>(1)</sup>	D		
Common Stock								12,735.076 <sup>(2)</sup>	Ι	By the 401(k) Plan	

# 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. Transa Code ( 8)		Deri Seci Acq or D of (E	umber of vative urities uired (A) isposed )) (Instr. and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		Transaction(s) (Instr. 4)		
Employee Stock Option (right to buy)	\$8.58	12/02/2010		М			100,000	(3)	03/09/2014	Common Stock	100,000	\$0	500,000	D	

#### Explanation of Responses:

1. Number of shares includes 240,000 performance shares (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: (a) 50,000 performance shares are scheduled to vest on 12/19/10; (b) 35,000 performance shares are scheduled to vest on 12/19/10; (c) provided specified performance goals are achieved, 30,000 performance shares are scheduled to vest (i) as to 22,500 shares no earlier than on 12/19/10 and (ii) as to 7,500 shares no earlier than on 12/19/11; and (d) provided specified performance goals are achieved, 125,000 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).

2. Increased number of shares reflects dividend reinvestment under the 401(k) Plan that are exempt under Rule 16b-3.

3. 200,000 became exercisable on 4/1/2010 and 200,000 shares are scheduled to become exercisable on each of 4/1/2011 and 4/1/2012 (subject to continued employment through each vest date).

<u>/s/ Joseph J. Sweeney</u> <u>12/06/2010</u>

\*\* Signature of Reporting Person Date

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

\* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.