APPLIED MATERIALS INC/DE

Form 4

December 21, 2004

Check this box

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires:

January 31, 2005

0.5

Estimated average burden hours per

OMB APPROVAL

response...

if no longer subject to Section 16. Form 4 or Form 5

obligations

may continue.

See Instruction

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * ARMACOST MICHEAL H

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

Symbol

APPLIED MATERIALS INC /DE

(Check all applicable)

[AMAT]

(Last) (First) 3. Date of Earliest Transaction

X_ Director Officer (give title

10% Owner Other (specify

(Month/Day/Year) 12/20/2004

(Middle)

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

(Street)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check Applicable Line)

Filed(Month/Day/Year)

X Form filed by One Reporting Person Form filed by More than One Reporting

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 2A. Deemed (Month/Day/Year) Execution Date, if

(Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code (Instr. 8)

Disposed of (D) (Instr. 3, 4 and 5) 5. Amount of Securities Beneficially Owned Following Reported

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect (I) (Instr. 4)

Beneficial Ownership (Instr. 4)

(9-02)

(A)

Transaction(s) (Instr. 3 and 4)

Price Code V Amount (D)

Common Stock

12/20/2004

V 1,550

\$0 D 233,394 D

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 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)

Edgar Filing: APPLIED MATERIALS INC /DE - Form 4

1. Title of	2.	3. Transaction Date		4.	5.	6. Date Exerc		7. Titl		8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	orNumber	Expiration Date		Amount of		Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securities		(Instr. 5)	Bene
	Derivative Security				Securities			(Instr. 3 and 4)		Owne	
					Acquired	guired					Follo
					(A) or						Repo
					Disposed						Trans
					of (D)					(Instr	
					(Instr. 3,						(2.11541
		4, and 5)									
					i, and 3)						
									Amount		
						Date Exercisable	Expiration Date	Title	or		
									Number		
									of		
				Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

ARMACOST MICHEAL H C/O APPLIED MATERIALS, INC. 3050 BOWERS AVE., M/S 2023, PO BOX 58039 SANTA CLARA, CA 95054



Signatures

/s/ Charmaine Mesina Attorney-in-Fact

12/21/2004

**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).

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.

Reporting Owners 2