

Davis George S
 Form 4
 December 22, 2009

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 *
 Davis George S

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)

3. Date of Earliest Transaction (Month/Day/Year)
 12/19/2009

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
 Executive Vice President & CFO

C/O APPLIED MATERIALS, INC., P.O. BOX 58039, 3050 BOWERS AV, M/S 2023

(Street)

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

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 (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 Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|--|
| | | | Code | V | Amount | (D) | Price |
| Common Stock | 12/19/2009 | | F | | 30,516 (1) | D | \$ 13.62 |
| Common Stock | | | | | 309,462.5476 (2) | D | |
| Common Stock | | | | | 220 | I | By Trust |
| Common Stock | | | | | 1,362.436 (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 information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

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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 Following Reported Transaction (Instr. 3 and 4) |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|---|
| | | | | Code | V (A) (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

Davis George S
C/O APPLIED MATERIALS, INC.
P.O. BOX 58039, 3050 BOWERS AV, M/S 2023
SANTA CLARA, CA 95054

Executive Vice President & CFO

Signatures

/s/ Charmaine Mesina,
Attorney-in-Fact

12/22/2009

__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 upon vesting of performance shares (restricted stock units) to cover tax withholding obligations in a transaction exempt under Rule 16b-3.
Number of shares includes 163,750 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) 61,250 performance shares are scheduled to vest in two equal installments beginning 12/19/10; and (c) provided specified performance goals are achieved, 52,500 performance shares are scheduled to vest (i) as to 39,375 shares no earlier than 12/19/10 and (ii) as to 13,125 shares no earlier than 12/19/11 (all vesting is subject to continued employment through each vesting date).
- (3)

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Increased number of shares reflects dividend reinvestment and periodic allocation of accrued interest (which interest was automatically converted into shares) to all participants under the 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.