Sweeney Joseph J Form 4 December 23, 2008

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

**OMB APPROVAL** 

OMB 3235-0287 Number:

Expires:

January 31, 2005

0.5

Estimated average

burden hours per response...

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

**SECURITIES** Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

may continue. See Instruction

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person \* 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Sweeney Joseph J Issuer Symbol APPLIED MATERIALS INC /DE (Check all applicable) [AMAT] (Last) (First) (Middle) 3. Date of Earliest Transaction Director 10% Owner Other (specify X\_ Officer (give title (Month/Day/Year) below) C/O APPLIED MATERIALS. 12/19/2008 Sr. VP, GC & Corp. Secretary INC., P.O. BOX 58039, 3050 BOWERS AV, M/S 2023 (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) \_X\_ Form filed by One Reporting Person Form filed by More than One Reporting

SANTA CLARA, CA 95054

| (City)                               | (State)                                 | (Zip) Tabl  | le I - Non-I  | <b>Derivative</b> | Securi         | ties Acqu  | uired, Disposed of   | f, or Beneficial | ly Owned           |
|--------------------------------------|---|---|---|-------------------|----------------|--|--|------------------|--------------------|
| 1.Title of<br>Security<br>(Instr. 3) | 2. Transaction Date<br>(Month/Day/Year) | 2A. Deemed<br>Execution Date, if<br>any<br>(Month/Day/Year) | 3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8) |                   |                | 5. Amount of<br>Securities<br>Beneficially<br>Owned<br>Following<br>Reported<br>Transaction(s) | Securities Ownership Beneficially Form: Direct Owned (D) or Following Indirect (I) Reported (Instr. 4) |                  |                    |
| Common<br>Stock                      | 12/19/2008                              |   | Code V  | Amount 27,552 (1) | or<br>(D)<br>D | Price \$ 10.13   | (Instr. 3 and 4)<br>280,519 (2)  | D                |                    |
| Common<br>Stock                      |   |   |   |                   |                |  | 10,120.652<br>(3)  | I                | By the 401(k) Plan |

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

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Person

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### 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      | e and        | 8. Price of | 9. Nu  |
|-------------|-------------|---------------------|--------------------|-------------------|------------|---------------|-------------|--------------|--------------|-------------|--------|
| Derivative  | Conversion  | (Month/Day/Year)    | Execution Date, if | TransactionNumber |            | Expiration D  | ate         | Amou         | nt 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             |             | Securi       | ities        | (Instr. 5)  | Bene   |
|             | Derivative  |                     |                    |                   | Securities |               |             | (Instr.      | 3 and 4)     |             | Owne   |
|             | Security    |                     |                    |                   | Acquired   |               |             |              |              |             | Follo  |
|             |             |                     |                    |                   | (A) or     |               |             |              |              |             | Repo   |
|             |             |                     |                    |                   | Disposed   |               |             |              |              |             | Trans  |
|             |             |                     |                    |                   | of (D)     |               |             |              |              |             | (Instr |
|             |             |                     |                    |                   | (Instr. 3, |               |             |              |              |             |        |
|             |             |                     |                    |                   | 4, and 5)  |               |             |              |              |             |        |
|             |             |                     |                    |                   |            |               |             |              | Amount       |             |        |
|             |             |                     |                    |                   |            |               |             |              | Amount       |             |        |
|             |             |                     |                    |                   |            | Date          | Expiration  | Title        | Or           |             |        |
|             |             |                     |                    |                   |            | Exercisable   | Date        | Title Number |              |             |        |
|             |             |                     |                    | Codo V            | (A) (D)    |               |             |              | of<br>Charac |             |        |
|             |             |                     |                    | Code V            | (A) (D)    |               |             |              | Shares       |             |        |

# **Reporting Owners**

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

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

Sr. VP, GC & Corp. Secretary

# **Signatures**

/s/ Charmaine Mesina, Attorney-in-Fact

12/23/2008

\*\*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 185,500 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) 3,000 performance shares are scheduled to vest on 8/31/09; (b) 100,000 performance shares are scheduled to vest in two equal annual
- (2) installments beginning 12/19/09; (c) 52,500 performance shares are scheduled to vest in three equal annual installments beginning 12/19/09; and (d) provided specified performance goals are achieved, 30,000 performance shares are scheduled to vest (i) as to 15,000 shares no earlier than on 12/19/09 and (ii) as to 15,000 shares no earlier than in two equal annual installments beginning 12/19/10 (all vesting is subject to continued employment).
- (3) Increased number of shares reflects dividend reinvestment and periodic allocation of accrued interest (which interest was automatically converted into shares) 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.

Reporting Owners 2

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