SWAN ROBERT HOLMES

Form 4

March 12, 2009

FORM 4

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

OMB Number:

3235-0287

0.5

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

January 31, Expires:

2005 Estimated average

OMB APPROVAL

burden hours per response...

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

obligations

Check this box

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

may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * **SWAN ROBERT HOLMES**

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)

(Middle)

3. Date of Earliest Transaction

X_ Director 10% Owner Other (specify Officer (give title

03/10/2009

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

(Street)

(First)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Applicable Line)

Filed(Month/Day/Year)

3.

(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 4. Securities Acquired 5. Amount of

6. Ownership 7. Nature of Form: Direct Indirect

1.Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year)

Execution Date, if

(Month/Day/Year)

Transaction(A) or Disposed of Code (D) (Instr. 8) (Instr. 3, 4 and 5)

Beneficially Owned Following

Securities

(D) or Beneficial Indirect (I) Ownership (Instr. 4) (Instr. 4)

(A)

Reported Transaction(s)

Code V Price Amount (D)

(Instr. 3 and 4)

Common Stock

03/10/2009

21,691 (1)

\$0 21,691 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 (9-02)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)

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	2.	3. Transaction Date		4.	5.	6. Date Exerc		7. Titl		8. Price of	9. Nu
Derivative Security (Instr. 3)	Conversion or Exercise Price of Derivative Security	(Month/Day/Year)	Execution Date, if any (Month/Day/Year)	Transact Code (Instr. 8)	orNumber of Derivativ Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	:		Amou Under Securi (Instr.	lying	Derivative Security (Instr. 5)	Deriv Secur Bene Own Follo Repo Trans (Instr
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

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

Signatures

/s/ Charmaine Mesina, Attorney-in-Fact

03/12/2009

**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).

X

Represents automatic initial grant of performance shares (restricted stock units) to non-employee director upon appointment to the Board of Directors pursuant to the Applied Materials, Inc. Employee Stock Incentive Plan. These performance shares will be converted on a one-for-one basis into Applied Materials, Inc. common stock upon vesting, which vesting is scheduled to occur in four equal annual installments beginning 3/01/10 (subject to continued service as a director).

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.

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