Humiston Mary E Form 3 June 24, 2009

FORM 3

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

OMB APPROVAL

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INITIAL STATEMENT OF 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 *

Humiston Mary E

(Last)

(First)

C/O APPLIED MATERIALS,

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

(Middle)

Statement

(Month/Day/Year)

06/22/2009

2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol

APPLIED MATERIALS INC /DE [AMAT]

4. Relationship of Reporting Person(s) to Issuer

5. If Amendment, Date Original

Filed(Month/Day/Year)

(Check all applicable)

Director

10% Owner Other

_X__ Officer (give title below) (specify below) Corp. VP, Global HR

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

X Form filed by One Reporting

Person

Form filed by More than One

Reporting Person

4. Nature of Indirect Beneficial

SANTA CLARA. CAÂ 95054

(Street)

(City) (State)

1. Title of Security

(Instr. 4)

Common Stock

(Zip)

2. Amount of Securities Beneficially Owned

(Instr. 4)

 $70,000^{(1)}$

3. Ownership Form:

Table I - Non-Derivative Securities Beneficially Owned

Ownership (Instr. 5)

Direct (D) or Indirect

(Instr. 5) Â D

(I)

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

SEC 1473 (7-02)

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.

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security

(Instr. 4)

2. Date Exercisable and **Expiration Date** (Month/Day/Year)

3. Title and Amount of Securities Underlying **Derivative Security** (Instr. 4)

4. Conversion or Exercise Price of

5. Ownership Form of Derivative

6. Nature of Indirect Beneficial Ownership

(Instr. 5)

Derivative Security:

1

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Relationshins

	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Security	Direct (D) or Indirect (I) (Instr. 5)	
Employee Stock Option (right to buy)	04/01/2010(2)	03/09/2014	Common Stock	45,000	\$ 8.58	D	Â

Reporting Owners

Reporting Owner Name / Address			Relationships	ationships		
	Director	10% Owner	Officer	Other		
Humiston Mary E C/O APPLIED MATERIALS, INC. P.O. BOX 58039, 3050 BOWERS AV, M/S 2023 SANTA CLARA, CA 95054	Â	Â	Corp. VP, Global HR	Â		

Signatures

/s/ Mary E.
Humiston

**Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 5(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).
- Number of shares consists of 70,000 performance shares (restricted stock units) 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 in four equal annual installments beginning 7/1/2009 and (b) 20,000 performance shares are scheduled to vest in four equal annual installments beginning 7/1/2010 (all vesting is subject to continued employment).
- (2) Shares become exercisable in three equal annual installments beginning on 4/1/2010 (subject to continued employment).

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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