APPLIED MATERIALS INC/DE

Form 4

October 31, 2008

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL

OMB 3235-0287 Number:

January 31, Expires: 2005

0.5

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response...

if no longer subject to Section 16. Form 4 or

Check this box

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).

(Last)

(Print or Type Responses)

1. Name and Address of Reporting Person * GERDINE PHILIP V

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

APPLIED MATERIALS INC /DE

[AMAT]

(Check all applicable)

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

10/29/2008

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

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

(Street)

(First)

(Middle)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line)

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

5. Amount of Securities Beneficially (D) or Owned Indirect (I) Following (Instr. 4) Reported

6. Ownership 7. Nature of Form: Direct Indirect Beneficial Ownership (Instr. 4)

(A)

Code V Amount (D) Price

Transaction(s) (Instr. 3 and 4)

Common Stock

34,000 (1) 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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1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Title	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	ties	(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		
						Date Exercisable	Expiration e Date		or		
								Title	Number		
						Lacicisable			of		
				Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

GERDINE PHILIP V

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

Signatures

/s/ Charmaine Mesina, Attorney-in-Fact

SANTA CLARA, CA 95054

10/31/2008

**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).

This voluntary Form 4 is being filed solely to reflect the vesting of 2,500 performance shares (restricted stock units) on 10/29/08, which vesting is exempt from reporting pursuant to Rule 16a-3(f)(1)(i)(B). Upon vesting, these performance shares became outstanding shares of Applied Materials, Inc. common stock held directly by the reporting person. Shares shown as beneficially owned include 7,500 performance shares 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 in three equal annual installments beginning 10/29/09 (subject to continued service as a director through each vesting date).

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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