Karsner Alexander Form 4 December 06, 2010

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

> 10% Owner Other (specify

burden hours per 0.5

Estimated average response...

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

Check this box

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 *

Karsner Alexander Symbol

(Middle)

APPLIED MATERIALS INC /DE

2. Issuer Name and Ticker or Trading

[AMAT]

3. Date of Earliest Transaction

(Month/Day/Year) 12/03/2010

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

C/O APPLIED MATERIALS.

(First)

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)

X_ Director

Officer (give title

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 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3) (Month/Day/Year)

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

Securities Beneficially Owned Following Reported

5. Amount of

7. Nature of Ownership Indirect Form: Direct Beneficial (D) or Ownership Indirect (I) (Instr. 4) (Instr. 4)

(A) Transaction(s) (Instr. 3 and 4)

Code V (D) Price Amount

Common 12/03/2010 Stock

S 42.542 (1) D 15.422 13 02

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.

SEC 1474 (9-02)

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. Titl	le and	8. Price of	9. Nu
D	erivative	Conversion	(Month/Day/Year)	Execution Date, if	TransactionNumber		Expiration D	ate	te Amou		Derivative	Deriv
S	ecurity	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	Secui
(I	nstr. 3)	Price of		(Month/Day/Year)	(Instr. 8) Derivativ		;		Secur	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		
							Date Exercisable	Expiration e Date	Title	or		
										Number		
							Lacicisable			of		
					Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

Karsner Alexander

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

Signatures

SANTA CLARA, CA 95054

/s/ Charmaine Mesina,
Attorney-in-Fact 12/06/2010

**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).

Number of shares consists of 42,542 performance shares (restricted stock units) previously reported that in the future will be converted on a one-for-one basis into Applied Materials, Inc. common stock upon vesting, which vesting is scheduled to occur as follows: (a) 10,000

(1) shares are scheduled to vest in two equal annual installments beginning 9/23/11; (b) 16,269 shares are scheduled to vest in three equal annual installments beginning 3/1/11; and (c) 16,273 shares are scheduled to vest in four equal annual installments beginning 3/1/11 (all vesting is subject to continued service as a director through each vest 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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