Nalamasu Omkaram Form 4 May 22, 2013

FORM 4

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

OMB APPROVAL

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

SECURITIESFiled pursuant to Section 16(a) of the Securities Exchange Act of 1934,

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

obligations may continue.

See Instruction

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).

(Print or Type Responses)

1. Name and Address of Reporting Person ** Nalamasu Omkaram			2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer		
	APPLIED MATERIALS [AMAT]		APPLIED MATERIALS INC /DE [AMAT]	(Check all applicable)		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year)	Director 10% OwnerX_ Officer (give title Other (specify		
C/O APPLIED MATERIALS,			05/20/2013	below) below) Group VP, CTO		
INC., P.O. BOX 58039 3050						
BOWERS A	V, M/S 126	58				
	(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		
SANTA CLARA, CA 95054				Form filed by More than One Reporting Person		
(City)	(State)	(Zip)	Table I Non Davinsking Committee As	animal Dispersed of an Dan of sight. Owned		

(City)	(State)	Tabl	e I - Non-L	Derivative (Securi	ties Acqu	ired, Disposed of	f, or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8) (A) or			5. Amount of Securities Ownership Beneficially Form: Direct Owned (D) or Following Indirect (I) Reported (Instr. 4) Transaction(s) (Instr. 3 and 4)		7. Nature of Indirect Beneficial Ownership (Instr. 4)		
			Code V	Amount	(D)	Price	(Ilisti. 5 and 4)		
Common Stock	05/20/2013		M	24,000	A	\$ 8.58	422,336 (1)	D	
Common Stock	05/20/2013		S	24,000	D	\$ 14.97 (2)	398,336 (1)	D	
Common Stock	05/20/2013		S	30,261	D	\$ 14.97 (2)	368,075 <u>(1)</u>	D	

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

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SEC 1474 (9-02)

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

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transactic Code (Instr. 8)	5. Number of orDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	ivative Expiration Date urities (Month/Day/Yea uritied (A) Disposed of Er. 3, 4,		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Employee Stock Option (Right to Buy)	\$ 8.58	05/20/2013		M	24,000	(3)	03/09/2014	Common Stock	24,000

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Nalamasu Omkaram C/O APPLIED MATERIALS, INC. P.O. BOX 58039 3050 BOWERS AV, M/S 1268 SANTA CLARA, CA 95054

Group VP, CTO

Signatures

/s/ Charmaine Mesina,

Attorney-in-Fact 05/22/2013

**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) Increased number of shares reflects periodic payroll acquisitions under Employees' Stock Purchase Plan that are exempt under Rule 16a-10 and Rule 16b-3. Number of shares includes 366,250 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 as follows: (a) 2,500 shares are scheduled to vest in July 2013; (b) 19,000 shares are scheduled to vest in installments during each February of 2014 and 2015; (c) 19,750 shares are scheduled to vest in installments during each January of 2014 and 2015; and (d) provided specified performance goals are achieved, 325,000 shares will be scheduled to vest in installments during each December of 2013 through 2016, which number of shares is the target amount, and the actual number of shares that may vest ranges from 0% to 150% of the target amount

Reporting Owners 2

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depending on achievement of specified performance goals (all vesting is subject to continued employment through each applicable vesting date).

- The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$14.96 to \$14.99, inclusive. The reporting person undertakes to provide to Applied Materials, Inc., any security holder of Applied Materials, Inc., or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the ranges set forth in footnote 2 to this Form 4.
- (3) Shares became exercisable in two equal annual installments beginning on April 1, 2011.

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.