APPLIED MATERIALS INC /DE

Form 4

Common

Stock

September 05, 2007

FORM	14								OMB AF	PROVAL	
UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549							OMMISSION	OMB Number:	3235-0287		
Check the if no long subject to Section 1 Form 4 co	F CHAN	IGES IN SECUE	BENEFIO RITIES	ERSHIP OF	Expires: January 2 Estimated average burden hours per response						
obligatio may con See Instr 1(b).	ons Section 17	(a) of the	Public U	tility Hol		pany	Act of 1	Act of 1934, 1935 or Section			
(Print or Type	Responses)										
Moghadam Farhad S.			Symbol	ED MAT	Ticker or T		5. Relationship of Reporting Person(s) to Issuer (Check all applicable)				
(Last) (First) (Middle) C/O APPLIED MATERIALS, INC., PO BOX 58039, 3050 BOWERS AVE, M/S 2023			3. Date of Earliest Transaction (Month/Day/Year)					Director 10% Owner Officer (give title Other (specify below) Senior Vice President			
				endment, D nth/Day/Yea	ate Original		6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting				
(City)	(State)	(Zip)	Tah	la I - Non-l	Darivativa S	acurit		Person ired, Disposed of,	or Ranaficial	ly Owned	
1.Title of Security (Instr. 3)	2. Transaction Dat (Month/Day/Year)	ransaction Date 2A. Deemed				s Acq	uired (A)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
Common Stock	08/31/2007			Code V F	5,719 <u>(1)</u>	D	\$ 21.36	264,977 (2)	D		
Common Stock	09/01/2007			D	237,500 (3)	D	\$ 0	27,477	D		
Common Stock								2,500	I	See Footnote	

By the 401(k)

12,773.38 (5) I

Plan

(9-02)

9. Nu

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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 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)

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. Transac Code (Instr. 8	5. tionNumber of) Derivativ Securitie Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	(Month/Day, re s I	ate	7. Title Amou Under Securi (Instr.	nt of lying	8. Price of Derivative Security (Instr. 5)
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	

Reporting Owners

Relationships Reporting Owner Name / Address

> Director 10% Owner Officer Other

Moghadam Farhad C/O APPLIED MATERIALS, INC. PO BOX 58039, 3050 BOWERS AVE, M/S 2023 SANTA CLARA, CA 95054

Senior Vice President

Signatures

/s/ Charmaine Mesina,

Attorney-in-Fact 09/05/2007

> **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) Represents shares that were automatically withheld to cover tax withholding obligations in a transaction exempt under Rule 16b-3.
- (2) 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 250,000 performance shares (or restricted stock units) previously reported that in the future will be converted on a one-for-one basis into shares of Applied Materials, Inc. common stock immediately upon vesting, which vesting is scheduled to occur as follows: 25,000 performance shares are scheduled to vest in two equal annual installments beginning

Reporting Owners 2

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8/31/08; and, provided specified performance goals are achieved, 225,000 performance shares are scheduled to vest no earlier than in four equal annual installments beginning 12/19/07 (all vesting is subject to continued employment).

- (3) Represents forfeiture of 237,500 unvested performance shares (or restricted stock units) upon termination of employment.
- (4) Shares are held in accounts for Dr. Moghadam's sons, for which Dr. Moghadam's wife is the custodian. Dr. Moghadam disclaims beneficial ownership of these shares.
- (5) Increased number of shares reflects periodic allocation of accrued interest to all participants under 401(k) Plan that is exempt under Rule 16b-3.

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.