

Moghadam Farhad
 Form 4
 August 23, 2005

FORM 4

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

OMB APPROVAL

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STATEMENT OF CHANGES IN 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 *
 Moghadam Farhad

2. Issuer Name and Ticker or Trading Symbol
 APPLIED MATERIALS INC /DE [AMAT]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)
 08/19/2005

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
 Senior Vice President

C/O APPLIED MATERIALS, 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)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

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 (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	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)
				(A) or (D)	Price		
Common Stock	08/19/2005		M	A	\$ 6.8282	8,472	D
Common Stock	08/19/2005		S	D	\$ 18.25	3,472	D
Common Stock	08/22/2005		M	A	\$ 6.8282	8,472	D
Common Stock	08/22/2005		S	D	\$ 18.5	3,472	D
						2,500	I

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Common Stock						See footnote 1 (1)
Common Stock				11,357.251 (2)	I	By the 401(k) Plan

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

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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. Transaction Code (Instr. 8)	5. Number of Derivative Securities (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	Amount or Number of Shares	
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	
Employee Stock Option (right to buy)	\$ 6.8282	08/19/2005		M	5,000	07/15/2002 10/14/2005	Common Stock	5,000	
Employee Stock Option (right to buy)	\$ 6.8282	08/22/2005		M	5,000	07/15/2002 10/14/2005	Common Stock	5,000	

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

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

Senior Vice President

Signatures

/s/ Charmaine Mesina,
Attorney-in-Fact

08/23/2005

__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) Shares are held in accounts for Mr. Moghadam's sons, for which Mr. Moghadam's wife is the custodian. Mr. Moghadam disclaims beneficial ownership of these shares.
- (2) Increased number of shares reflects periodic payroll acquisitions under 401(k) Plan that are 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.