

Bowers Christopher P
 Form 4
 August 27, 2010

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 obligations may continue. See Instruction 1(b).

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 *
 Bowers Christopher P

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

5. Relationship of Reporting Person(s) to Issuer
 (Check all applicable)
 ___ Director ___ 10% Owner
 Officer (give title below) ___ Other (specify below)
 Group Vice President

(Last) (First) (Middle)
 C/O APPLIED MATERIALS, INC., 3050 BOWERS AV, M/S 2023
 P.O. BOX 58039

3. Date of Earliest Transaction (Month/Day/Year)
 08/25/2010

(Street)
 SANTA CLARA, CA 95054

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

(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. Code			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 Ownership (Instr. 4)
			Code	V	Amount				
Common Stock	08/25/2010		M		150,000	A	\$ 8.58	264,782 ⁽¹⁾	D
Common Stock	08/25/2010		S		150,000	D	\$ 10.5236	114,782 ⁽¹⁾	D
Common Stock	08/25/2010		S		24,782	D	\$ 10.5236	90,000 ⁽¹⁾	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)

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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 Acquired (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)		
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount Number Shares
Employee Stock Option (right to buy)	\$ 8.58	08/25/2010		M	150,000	(2) 03/09/2014		Common Stock	150,000

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Bowers Christopher P C/O APPLIED MATERIALS, INC. 3050 BOWERS AV, M/S 2023 P.O. BOX 58039 SANTA CLARA, CA 95054			Group Vice President	

Signatures

/s/ Charmaine Mesina,
Attorney-in-Fact
08/27/2010

**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 includes 90,000 performance shares (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 upon vesting, which vesting is scheduled to occur as follows: (1)
- (1) 40,000 performance shares are scheduled to vest in two equal annual installments beginning 3/1/2011 and (b) provided specified performance goals are achieved, 50,000 performance shares are scheduled to vest no earlier than in four equal annual installments beginning 12/19/2010 (all vesting is subject to continued employment through each vest date).
 - (2) 200,000 shares became exercisable on 4/1/2010 and 200,000 shares are scheduled to become exercisable on each of 4/1/2011 and 4/1/2012 (subject to continued employment 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.