

Bowers Christopher P
 Form 4
 December 21, 2010

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 *
 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)
 12/17/2010

(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

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 Ownership (Instr. 4)
			Code	V	Amount or Price		
Common Stock	12/17/2010		M		50,000 A \$ 8.58	215,000 ⁽¹⁾	D
Common Stock	12/17/2010		S		50,000 D \$ 13.65	165,000 ⁽¹⁾	D
Common Stock	12/19/2010		F		1,835 ⁽²⁾ D \$ 13.61	163,165 ⁽³⁾	D

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 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 or Number of Shares
Employee Stock Option (right to buy)	\$ 8.58	12/17/2010		M	50,000	⁽⁴⁾ 03/09/2014	Common Stock 50,000

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
12/21/2010

**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).

- (1) Number of shares includes 165,000 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 will be scheduled to occur as follows: (a) 40,000 shares will be scheduled to vest in installments during each March of 2011 and 2012; (b) 20,000 shares will be scheduled to vest in installments during each December of 2010 through 2013; and (b) provided specified performance goals are achieved, 105,000 shares will be scheduled to vest in installments during each December of 2011 through 2014 (all vesting will be subject to continued employment through each vest date).
- (2) Represents shares that were automatically withheld upon vesting of performance shares (restricted stock units) to cover tax withholding obligations in a transaction exempt under Rule 16b-3.

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- Number of shares includes 160,000 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 will be scheduled to occur as follows: (a) 40,000 shares will be scheduled to vest in installments during each March of 2011 and 2012; (b) 15,000 shares will be scheduled to vest in installments during each December of 2011 through 2013; and (b) provided specified performance goals are achieved, 105,000 shares will be scheduled to vest in installments during each December of 2011 through 2014 (all vesting will be subject to continued employment through each vest date).
- (3)
- (4) 200,000 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.