

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

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

 (Street)
 SANTA CLARA, CA 95054

 (City) (State) (Zip)

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

3. Date of Earliest Transaction
 (Month/Day/Year)
 12/17/2010

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

 (Check all applicable)
 ___ Director ___ 10% Owner
 Officer (give title below) ___ Other (specify below)
 Group Vice President

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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- 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.