**FORM 4**

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

| 1. Name and Address of Reporting Person* <br><br> PARKER GERHARD H <br><br> (Last) (First) (Middle) <br><br> C/O APPLIED MATERIALS, INC. <br><br> P.O. BOX 58039, 3050 BOWERS AV, M/S 1268 <br><br> (Street) <br><br> SANTA CLARA CA 95054 <br><br> (City) (State) (Zip) | 2. Issuer Name **and** Ticker or Trading Symbol <br><br> APPLIED MATERIALS INC /DE [ AMAT ] <br><br> 3. Date of Earliest Transaction (Month/Day/Year) <br> 03/05/2013 <br><br> 4. If Amendment, Date of Original Filed (Month/Day/Year) | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <br><br> X  Director          10% Owner <br><br>     Officer (give title    Other (specify <br>     below)                below) <br><br> 6. Individual or Joint/Group Filing (Check Applicable Line) <br><br> X  Form filed by One Reporting Person <br><br>     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 Beneficial Ownership (Instr. 4) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Code | V | Amount | (A) or (D) | Price | | | |
| Common Stock | 03/05/2013 | | A | | 14,556[1] | A | $0 | 184,645[2] | D | |

### 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 Securities Underlying Derivative Security (Instr. 3 and 4) | | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Code | V | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | | | | |

**Explanation of Responses:**

1. Represents automatic annual grant of restricted stock units to non-employee member of the Board of Directors pursuant to the Applied Materials, Inc. Employee Stock Incentive Plan. These restricted stock units 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 on March 1, 2014 (subject to continued service as a director through the vest date).

2. Number of shares includes: (a) 10,402 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 in installments during each March of 2014 and 2015 (subject to continued service as a director through each applicable vest date); and (b) 92,800 shares of Applied Materials, Inc. common stock held in a living trust.

/s/ Charmaine Mesina, Attorney-in-Fact     03/07/2013

\** Signature of Reporting Person     Date

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

\* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.**