PARKER GERHARD H

Form 4

December 20, 2011

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

OMB Number:

3235-0287

Check this box if no longer

January 31, Expires: 2005

OMB APPROVAL

subject to Section 16. Form 4 or Form 5

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

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obligations may continue.

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

See Instruction 1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * PARKER GERHARD H

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

Symbol

APPLIED MATERIALS INC/DE

(Check all applicable)

[AMAT]

(Last)

(First) (Middle) 3. Date of Earliest Transaction

X_ Director 10% Owner Officer (give title Other (specify

(Month/Day/Year)

12/16/2011

C/O APPLIED MATERIALS. INC., P.O. BOX 58039, 3050

BOWERS AV, M/S 1268

6. Individual or Joint/Group Filing(Check

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

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

SANTA CLARA, CA 95054

(City) (State) (Zip)

12/16/2011

(Street)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1.Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year) Execution Date, if 3. 4. Securities Acquired Transaction(A) or Disposed of (D) (Instr. 3, 4 and 5) Code (Instr. 8)

5. Amount of Securities Beneficially Owned Following

7. Nature of Ownership Indirect Form: Direct Beneficial (D) or Ownership Indirect (I) (Instr. 4)

(Instr. 4)

(A)

10.27

Reported Transaction(s) (Instr. 3 and 4)

(Month/Day/Year)

or Code V Price Amount (D) S 20,000

103,430 (1) D

Stock

Common

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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| 1. Title of | 2. | 3. Transaction Date | 3A. Deemed | 4. | 5. | 5. 6. Date Exercisable and | | 7. Title and | | 8. Price of | 9. Nu |
|-------------|-------------|---------------------|--------------------|-------------------|------------------------|----------------------------|-------|--------------------|-------|-------------|--------|
| Derivative | Conversion | (Month/Day/Year) | Execution Date, if | TransactionNumber | | Expiration D | ate | Amount | of | Derivative | Deriv |
| Security | or Exercise | | any | Code | of | (Month/Day | Year) | Underlyi | ing | Security | Secui |
| (Instr. 3) | Price of | | (Month/Day/Year) | (Instr. 8) | Derivative | | | Securities | | (Instr. 5) | Bene |
| | Derivative | | | | Securities Acquired | | | (Instr. 3 and 4) | | | Own |
| | Security | | | | | | | | | Follo | |
| | | | | | (A) or | | | | | | Repo |
| | | | | | Disposed | | | | | | Trans |
| | | | | | of (D) | | | | | | (Instr |
| | | | | | (Instr. 3, | | | | | | |
| | | | | | 4, and 5) | | | | | | |
| | | | | | | | | ٨ | mount | | |
| | | | | | | | | | | | |
| | | | | | | Date Expiration | | or Title Number | | | |
| | | | | | | Exercisable | Date | of | | | |
| | | | | Code V | (A) (D) | | | | hares | | |

Reporting Owners

Relationships Reporting Owner Name / Address Director 10% Owner Officer Other

PARKER GERHARD H C/O APPLIED MATERIALS, INC. P.O. BOX 58039, 3050 BOWERS AV, M/S 1268 SANTA CLARA, CA 95054

X

Signatures

/s/ Charmaine Mesina, Attorney-in-Fact

12/20/2011

**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: (a) 35,717 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 in

installments during each March of 2012 through 2015 (all vesting is subject to continued service as a director through each vest date); and (b) 42,800 shares of Applied Materials, Inc. common stock held in a living trust.

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.

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