PARKER GERHARD H

Form 4

October 31, 2007

Check this box

if no longer

subject to

Section 16.

Form 4 or

obligations

Form 5

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

OMB

OMB APPROVAL

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SECURITIES

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

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

may continue. See Instruction

1(b).

(Last)

1.Title of

Security

(Instr. 3)

Common

Stock

(Print or Type Responses)

1. Name and Address of Reporting Person *

PARKER GERHARD H

2. Issuer Name and Ticker or Trading

Symbol

APPLIED MATERIALS INC/DE

(Check all applicable)

Issuer

[AMAT]

(First) (Middle)

(Month/Day/Year)

10/29/2007

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

5. Relationship of Reporting Person(s) to

C/O APPLIED MATERIALS. INC., P.O. BOX 58039, 3050 BOWERS AV, M/S 2023

(Street)

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

Code

(Instr. 8)

3. Date of Earliest Transaction

6. Individual or Joint/Group Filing(Check Applicable Line)

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

SANTA CLARA, CA 95054

(City) (State) (Zip)

Execution Date, if

(Month/Day/Year)

2. Transaction Date 2A. Deemed

(Month/Day/Year)

10/29/2007

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 3.

4. Securities Acquired 5. Amount of Transaction(A) or Disposed of (D)

(Instr. 3, 4 and 5)

Securities Beneficially Owned

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

(A)

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

Following

Code V Amount

(D)

Price

10,000 \$0 $72,800^{(2)}$ D Α (1)

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 Derivative Security (Instr. 3)	2. Conversion or Exercise Price of	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transactic Code (Instr. 8)			ate	7. Title and Amount of Underlying Securities	nt of lying ities	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene
	Derivative Security				Securities Acquired			(Instr.	3 and 4)		Owne Follo
					(A) or Disposed						Repo Trans
					of (D) (Instr. 3, 4, and 5)						(Instr
					4, and 3)				Amount		
						Date Exercisable	Expiration Date	Title	or Number of		
				Code V	(A) (D)				Shares		

Reporting Owners

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 2023 SANTA CLARA, CA 95054

X

Signatures

/s/ Charmaine Mesina, Attorney-in-Fact

10/31/2007

**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).
 - Represents automatic annual grant of performance shares (restricted stock units) to non-employee member of the Board of Directors pursuant to the Applied Materials, Inc. Employee Stock Incentive Plan. These performance shares will be converted on a one-for-one
- basis into shares of Applied Materials, Inc. common stock immediately upon vesting, which vesting is scheduled to occur in four equal annual installments beginning 10/29/08 (subject to continued service as a director).
- (2) Includes 62,800 shares 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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