Kerschbaum Manfred Form 4 December 08, 2010

FORM 4

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

OMB APPROVAL

OMB Number: 3235-0287

Expires: January 31, 2005

Estimated average burden hours per response... 0.5

Form filed by More than One Reporting

Person

Check this box if no longer subject to Section 16. Form 4 or

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Form 5 obligations may continue. See Instruction

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Kerschbaum Manfred Issuer Symbol APPLIED MATERIALS INC /DE (Check all applicable) [AMAT] (Last) (First) (Middle) 3. Date of Earliest Transaction Director 10% Owner X_ Officer (give title Other (specify (Month/Day/Year) below) C/O APPLIED MATERIALS, 12/06/2010 Senior Vice President INC., P.O. BOX 58039, 3050 BOWERS AV, M/S 2023 (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person

SANTA CLARA, CA 95054

(State)

(Zip)

(City)

(City)	(State)	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. Transactic Code (Instr. 8)	4. Securities on Disposed of (Instr. 3, 4)	of (D) and 5) (A) or	uired (A) or	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)		
Common Stock	12/06/2010		A	100,000 (1)	(D)	\$ 0	362,500 (2)	D			
Common Stock	12/07/2010		M	200,000	A	\$ 8.58	562,500 (2)	D			
Common Stock	12/07/2010		S	200,000	D	\$ 13.0378	362,500 (2)	D			
Common Stock							14,331.761 (3)	I	By the 401(k) Plan		

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

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SEC 1474 (9-02)

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. Transactic Code (Instr. 8)	5. Number of or Derivative Securities Acquired (A) (Disposed of (Instr. 3, 4, and 5)	Expiration I (Month/Day or	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
г. 1				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount Number Shares	
Employee Stock Option (right to	\$ 8.58	12/07/2010		M	200,00	0 (4)	03/09/2014	Common Stock	200,00	

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

Relationships

Kerschbaum Manfred C/O APPLIED MATERIALS, INC. P.O. BOX 58039, 3050 BOWERS AV, M/S 2023 SANTA CLARA, CA 95054

Senior Vice President

Signatures

buy)

/s/ Charmaine Mesina,

Attorney-in-Fact 12/08/2010

**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).
- Represents performance shares (restricted stock units) that will be converted on a one-for-one basis into shares of Applied Materials, Inc. common stock upon vesting. These performance shares will vest only after the satisfaction of specified performance goals. Provided such goals are achieved, vesting is scheduled to occur no earlier than in four equal annual installments beginning 12/19/2011 (subject to continued employment through each vest date).
- (2) Number of shares also includes 262,500 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 as follows: (a) 96,875 shares are scheduled to vest on 12/19/2010; (b) 43,750 shares are scheduled to vest in two equal annual installments beginning 12/19/2010; (c) 18,750 shares are scheduled to vest on 12/19/2011; (d) provided specified performance goals are

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achieved, 28,125 shares are scheduled to vest on 12/19/2011; and (e) provided specified performance goals are achieved, 75,000 shares are scheduled to vest: (i) as to 12,500 shares no earlier than 12/19/2011 and (ii) as to 62,500 shares no earlier than in two equal annual installments beginning 12/19/2012 (all vesting is subject to continued employment through each vest date).

- (3) Increased number of shares reflects periodic payroll acquisitions and dividend reinvestment under the 401(k) Plan that are exempt under Rule 16b-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.