Kerschbaum Manfred Form 4 January 12, 2010

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

**SECURITIES** 

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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)

may continue.

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. 01/08/2010 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 Form filed by More than One Reporting SANTA CLARA, CA 95054 (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed 3. 4. Securities Acquired 5. Amount of 6. Ownership 7. Nature of Form: Direct Indirect Security (Month/Day/Year) Execution Date, if Transaction(A) or Disposed of (D) Securities (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially (D) or Beneficial (Month/Day/Year) (Instr. 8) Owned Indirect (I) Ownership Following (Instr. 4) (Instr. 4) Reported (A) Transaction(s) or (Instr. 3 and 4) Code V (D) Price Amount Common 01/08/2010 S 137,500 (1) D 47,889 14 5 Stock By the Common 401(k) Ι 13,667.921 Stock Plan 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

> > 1

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

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Title and	d 8.	Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	TransactionNumber		Expiration D	ate	Amount of	f De	erivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underlying	g Se	curity	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securities	(Ir	nstr. 5)	Bene
	Derivative			Securities				(Instr. 3 an	nd 4)		Owne
	Security				Acquired						Follo
					(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
				4, and 5)							
								A	4		
									ount		
						Date	Expiration e Date	or Title Number			
						Exercisable			nber		
					(A) (D)		of				
				Code V	(A) (D)			Shai	res		

# **Reporting Owners**

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

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**

/s/ Charmaine Mesina, Attorney-in-Fact

01/12/2010

\*\*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).

Number of shares consists of 137,500 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) 56,250 performance shares are scheduled to vest on 12/19/10; (b) 43,750 performance shares are scheduled to vest in two equal annual installments beginning 12/19/10; and (c) provided specified performance goals are achieved, 37,500 performance shares are scheduled to vest (i) as to 28,125 shares no earlier than 12/19/10 and (ii) as to 9,375 shares no earlier than 12/19/11 (all vesting is subject to continued employment through each vesting 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.

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