JANKER FRANZ Form 4 April 05, 2010

FORM 4

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

OMB APPROVAL

OMB 3235-0287 Number:

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if no longer subject to Section 16. Form 4 or Form 5

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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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

1(b).

(Print or Type Responses)

04/01/2010

Stock

Stock

Common

1. Name and Address of Reporting Person * JANKER FRANZ			uer Name and Ti ol LIED MATER AT]		Iss	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)			
INC., P.O.	(First) LIED MATERIAL BOX 58039, 305 AV, M/S 2023	(Mont LS, 04/01	(Wollin/Day/Tear)			Director10% Owner Officer (give title Other (specify below)			
	(Street)	Filed(1	mendment, Date (Month/Day/Year)	Ap	5. Individual or Joint/Group Filing(Check Applicable Line) X_ Form filed by One Reporting Person Form filed by More than One Reporting				
SANTA C	LARA, CA 9505	4			Per	rson	e man One Kep	orting	
(City)	(State)	(Zip) T	able I - Non-Deri	ivative Secur	ities Acquire	ed, Disposed of, o	or Beneficiall	y Owned	
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year	Date, if TransactiorDisposed of (D) Code (Instr. 3, 4 and 5)			Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
Common Stock	04/01/2010		M 200	0,000 A	\$ 8.58	685,187 <u>(1)</u> <u>(2)</u>	D		
Common	04/01/2010		S 200	0.000 D	\$	485,187 <u>(1)</u>	D		

200,000 D

13.6103

(2)

(3)

38,890.457

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

S

By the

401(k)

Plan

D

Ι

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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 orDerivative 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 Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount Number Shares
Employee Stock Option (right to buy)	\$ 8.58	04/01/2010		M	200,000	<u>(4)</u>	03/09/2014	Common Stock	200,00

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

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

Executive Vice President

Signatures

/s/ Charmaine Mesina,

Attorney-in-Fact 04/05/2010

**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).

Increased number of shares reflects periodic payroll acquisitions under Employees' Stock Purchase Plan that are exempt under Rule 16a-10 and Rule 16b-3. Number of shares includes 405,000 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: (Continued in footnote 2)

(a) 75,000 shares are scheduled to vest on 12/19/10; (b) 70,000 shares are scheduled to vest in two equal annual installments beginning 12/19/10; (c) provided specified performance goals are achieved, 60,000 shares are scheduled to vest (i) as to 45,000 shares no earlier

(2) than 12/19/10 and (ii) as to 15,000 shares no earlier than 12/19/11; and (d) provided specified performance goals are achieved, 200,000 shares are scheduled to vest no earlier than in four equal annual installments beginning 12/19/10 (all vesting is subject to continued employment through each vest date).

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- (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 shares became exercisable on 4/1/10 and 400,000 shares are scheduled to become exercisable in two equal annual installments beginning 4/1/11, 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.