WANG DAVID N K

Form 4

August 23, 2005

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB

OMB APPROVAL

Number:

3235-0287

Expires:

January 31, 2005

0.5

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SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

may continue. See Instruction 30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * WANG DAVID N K

2. Issuer Name and Ticker or Trading Symbol

Issuer

5. Relationship of Reporting Person(s) to

APPLIED MATERIALS INC /DE [AMAT]

(Check all applicable)

(Last)

(First)

(Middle)

3. Date of Earliest Transaction

Director X_ Officer (give title

10% Owner Other (specify

C/O APPLIED MATERIALS, INC.,

PO BOX 58039, 3050 BOWERS

(Month/Day/Year) 08/19/2005

below) **Executive Vice President**

(Street)

AVE., M/S 2023

4. If Amendment, Date Original

Applicable Line)

Filed(Month/Day/Year)

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

6. Individual or Joint/Group Filing(Check

Person

SANTA CLARA, CA 95054

(City)	(State)	(Zip) 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. Transactio Code (Instr. 8)	4. Securities Acquired (A) or on Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of 6. Securities Ownership Beneficially Form: Owned Direct (D) Following or Indirect		7. Nature of Indirect Beneficial Ownership (Instr. 4)		
			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)	(I) (Instr. 4)			
Common Stock	08/19/2005		S	150,000	D	\$ 18.1862	942,488	D			
Common Stock	08/19/2005		S	10,000	D	\$ 18.1923	64,033	I	As custodian for daughter		
Common Stock	08/19/2005		S	10,000	D	\$ 18.1871	64,033	I	As custodian for son		

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Common Stock	08/22/2005	S	10,000	D	\$ 18.5	932,488	D	
Common Stock	08/22/2005	S	20,000	D	\$ 18.425	44,033	I	As custodian for daughter
Common Stock	08/22/2005	S	20,000	D	\$ 18.435	44,033	I	As custodian for son
Common Stock						99,318.307 (1)	I	By the 401(k) Plan

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

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SEC 1474

(9-02)

9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr

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	e and	8. Price of	
	Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transact	ionNumber	Expiration D	ate	Amou	nt of	Derivative	
	Security	or Exercise		any	Code	of	(Month/Day/Year)		Underlying		Security	
	(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivativ	e		Securi	ties	(Instr. 5)	
		Derivative				Securities		(Instr. 3 and 4)				
Security						Acquired						
						(A) or						
						Disposed						
						of (D)						
						(Instr. 3,						
						4, and 5)						
										Amaunt		
										Amount or		
						Date	Expiration					
							Exercisable	Date	Title Number	of		
					Codo V	(A) (D)						
					Code V	$^{\prime}$ (A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner

WANG DAVID N K C/O APPLIED MATERIALS,INC., PO BOX 58039 3050 BOWERS AVE., M/S 2023 SANTA CLARA, CA 95054

Executive Vice President

Other

Officer

Reporting Owners 2

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Signatures

/s/ Charmaine Mesina, Attorney-in-Fact

08/23/2005

**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).
- (1) Increased number of shares reflects periodic payroll acquisitions under 401(k) Plan that are exempt under Rule 16b-3.

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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