KLA TENCOR CORP

Form 4 May 04, 2007

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

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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

1(b).

(Print or Type Responses)

See Instruction

1. Name and Address of Reporting Person * BINGHAM H RAYMOND	2. Issuer Name and Ticker or Trading Symbol KLA TENCOR CORP [KLAC]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)		
(Last) (First) (Middle) C/O KLA-TENCOR CORPORATION, 160 RIO ROBLES	3. Date of Earliest Transaction (Month/Day/Year) 05/04/2007	X Director 10% Owner Officer (give title Other (specification) below)		
(Street) SAN JOSE, CA 95130	4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		

(State)

(Zip)

(City)

Table I - Non-Derivative Securities	Acquired, Dis	sposed 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. Transaction Code (Instr. 8)	4. Securi on(A) or D: (Instr. 3,	ispose	d of (D)	5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) 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	05/01/2007		S	275	D	\$ 55.56	112	D	
Common Stock	05/01/2007		M	1,010	A	\$ 44.76	1,122	D	
Common Stock	05/01/2007		S	1,010	D	\$ 55.55	112	D	
Common Stock	05/01/2007		M	643	A	\$ 44.76	755	D	
Common Stock	05/01/2007		S	643	D	\$ 55.54	112	D	

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Common Stock	05/01/2007	M	276	A	\$ 44.76	388	D
Common Stock	05/01/2007	S	276	D	\$ 55.53	112	D
Common Stock	05/01/2007	M	597	A	\$ 44.76	709	D
Common Stock	05/01/2007	S	597	D	\$ 55.52	112	D
Common Stock	05/01/2007	M	750	A	\$ 44.76	862	D
Common Stock	05/01/2007	S	750	D	\$ 55.51	112	D
Common Stock	05/01/2007	M	168	A	\$ 41.45	280	D
Common Stock	05/01/2007	M	1,082	A	\$ 41.45	1,362	D
Common Stock	05/01/2007	S	1,082	D	\$ 55.5	280	D
Common Stock	05/01/2007	M	20	A	\$ 40.24	300	D
Common Stock	05/01/2007	S	20	D	\$ 55.5	280	D
Common Stock	05/01/2007	M	1,745	A	\$ 40.24	2,025	D
Common Stock	05/01/2007	S	1,745	D	\$ 55.49	280	D
Common Stock	05/01/2007	M	735	A	\$ 40.24	1,015	D
Common Stock	05/01/2007	S	735	D	\$ 55.48	280	D
Common Stock	05/01/2007	S	112	D	\$ 55.59	168	D
Common Stock	05/01/2007	S	168	D	\$ 55.51	0	D
Common Stock-Restricted Stock Units (1)						1,935	D

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

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SEC 1474 (9-02)

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$\label{thm:convergence} \begin{tabular}{ll} Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned \\ (\emph{e.g.}, puts, calls, warrants, options, convertible securities) \\ \end{tabular}$

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 proof Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercis Expiration Dat (Month/Day/Y	e	7. Title and A Underlying S (Instr. 3 and	Securit
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amo or Num of Sh
Non-Qualified Stock Option (right to buy)	\$ 40.24	05/01/2007		M	20	05/11/2005	05/11/2015	Common Stock	20
Non-Qualified Stock Option (right to buy)	\$ 40.24	05/01/2007		M	1,745	05/11/2005	05/11/2015	Common Stock	1,7
Non-Qualified Stock Option (right to buy)	\$ 40.24	05/01/2007		M	735	05/11/2005	05/11/2015	Common Stock	73
Non-Qualified Stock Option (right to buy)	\$ 40.68	05/01/2007		M	92	10/18/2004	10/18/2014	Common Stock	9:
Non-Qualified Stock Option (right to buy)	\$ 40.68	05/01/2007		M	92	10/18/2004	10/18/2014	Common Stock	9:
Non-Qualified Stock Option (right to buy)	\$ 40.68	05/01/2007		M	92	10/18/2004	10/18/2014	Common Stock	9:
Non-Qualified Stock Option (right to buy)	\$ 40.68	05/01/2007		M	184	10/18/2004	10/18/2014	Common Stock	18
Non-Qualified Stock Option (right to buy)	\$ 40.68	05/01/2007		M	312	10/18/2004	10/18/2014	Common Stock	31
Non-Qualified Stock Option (right to buy)	\$ 40.68	05/01/2007		M	514	10/18/2004	10/18/2014	Common Stock	51
Non-Qualified Stock Option (right to buy)	\$ 40.68	05/01/2007		M	459	10/18/2004	10/18/2014	Common Stock	45
Non-Qualified	\$ 40.68	05/01/2007		M	92	10/18/2004	10/18/2014	Common	9:

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	Stock Option (right to buy)							Stock	
5	Non-Qualified Stock Option (right to buy)	\$ 40.68	05/01/2007	M	275	10/18/2004	10/18/2014	Common Stock	27
5	Non-Qualified Stock Option (right to buy)	\$ 40.68	05/01/2007	M	184	10/18/2004	10/18/2014	Common Stock	18
5	Non-Qualified Stock Option (right to buy)	\$ 40.68	05/01/2007	M	92	10/18/2004	10/18/2014	Common Stock	9:
5	Non-Qualified Stock Option (right to buy)	\$ 40.68	05/01/2007	M	112	10/18/2004	10/18/2014	Common Stock	11
5	Non-Qualified Stock Option (right to buy)	\$ 41.45	05/01/2007	M	168	08/01/2006	08/01/2013	Common Stock	16
5	Non-Qualified Stock Option (right to buy)	\$ 41.45	05/01/2007	M	1,082	08/01/2006	08/01/2013	Common Stock	1,0
	Non-Qualified Stock Option (right to buy)	\$ 44.76	05/01/2007	M	898	01/25/2005	01/25/2015	Common Stock	89
,	Non-Qualified Stock Option (right to buy)	\$ 44.76	05/01/2007	M	367	01/25/2005	01/25/2015	Common Stock	36
5	Non-Qualified Stock Option (right to buy)	\$ 44.76	05/01/2007	M	184	01/25/2005	01/25/2015	Common Stock	18
5	Non-Qualified Stock Option (right to buy)	\$ 44.76	05/01/2007	M	275	01/25/2005	01/25/2015	Common Stock	27
	Non-Qualified Stock Option (right to buy)	\$ 44.76	05/01/2007	M	1,010	01/25/2005	01/25/2015	Common Stock	1,0
	Non-Qualified Stock Option (right to buy)	\$ 44.76	05/01/2007	M	643	01/25/2005	01/25/2015	Common Stock	64
,	Non-Qualified Stock Option (right to buy)	\$ 44.76	05/01/2007	M	276	01/25/2005	01/25/2015	Common Stock	27
,	Non-Qualified Stock Option (right to buy)	\$ 44.76	05/01/2007	M	597	01/25/2005	01/25/2015	Common Stock	59

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,	Non-Qualified Stock Option (right to buy)	\$ 44.76	05/01/2007	M	750	01/25/2005	01/25/2015	Common Stock	75
,	Non-Qualified Stock Option (right to buy)	\$ 47.23				11/09/2001	11/09/2011	Common Stock	10,0
,	Non-Qualified Stock Option (right to buy)	\$ 47.86				05/02/2006	05/02/2013	Common Stock	1,2
,	Non-Qualified Stock Option (right to buy)	\$ 49.99				11/04/2005	11/04/2012	Common Stock	3,7
,	Non-Qualified Stock Option (right to buy)	\$ 50.39				02/14/2007	02/14/2014	Common Stock	2,5

Reporting Owners

Reporting Owner Name / Address	Relationships							
• 5	Director	10% Owner	Officer	Other				
BINGHAM H RAYMOND C/O KLA-TENCOR CORPORATION 160 RIO ROBLES SAN JOSE, CA 95130	X							

Signatures

By: John Kispert For: Raymond H.

Bingham 05/04/2007

**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).
- (1) Each restricted stock unit represents a contingent right to receive one share of KLAC common stock.

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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