FORM	4
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Check this box if no	Ī
longer subject to	
Section 16. Form 4 or	
Form 5 obligations	
may continue. See	
Instruction 1(b).	

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

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)													
1. Name and Address of Re LEVY KENNETH	eporting Person [*]	1	2. Issuer Name and KLA TENCOR C		~			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) X. Director 10% Owner					
(Last) C/O KLA-TENCOR ROBLES	(First) CORPORATION	1 1 (0 DIO	3. Date of Earliest Transaction (Month/Day/Year) 09/21/2004						X_Officer (give title below)Other (specify below)Other (speci				
SAN JOSE, CA 9513	2	I. If Amendment, Dat	te Original F	iled(N	1onth/Day/Y	'ear)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_Form filed by One Reporting Person Form filed by More than One Reporting Person						
(City)	(State)	(Zip)	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned										
1.Title of Security (Instr. 3)	2		Execution Date, if any	(Instr. 8)		4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s)		Beneficial		
			(Month/Day/Year)	Code	v	Amount	(A) or (D)	Price	(Instr. 3 and 4)	Direct (D) or Indirect (I) (Instr. 4)	Ownership (Instr. 4)		
Common Stock (1)									762	D			
Common Stock									1,744,375	Ι	by Levy Fam. Trust ⁽²⁾		

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

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 Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned

	(e.g., puts, calls, warrants, options, convertible securities)																
Derivative Security	2. Conversion or Exercise Price of Derivative Security	(Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	Code		5. Numbo of Deriva Securitie: Acquired or Dispos of (D) (Instr. 3, and 5)	tive s (A) sed	(Month/Day/Y	e	of Underlying Securities		of Underlying D Securities Securities		Security Securities (Instr. 5) Beneficially Owned Following Reported Transaction(s)		Ownership Form of Derivative Security: Direct (D) or Indirect (I)	Beneficial
				Code	v	(A)	(D)	Date Exercisable	Expiration Date		Amount or Number of Shares		(Instr. 4)	(Instr. 4)			
Non- Qualified Stock Option (right to buy)	\$ 41.79	09/21/2004		A		50,000		09/21/2005	09/21/2014	Common Stock	50,000	\$ O	50,000	D			
Non- Qualified Stock Option (right to buy)	\$ 10.63							08/31/1999	08/31/2008	Common Stock	204,272		204,272	D			
Non- Qualified Stock Option (right to buy)	\$ 10.81							10/07/1997	10/08/2006	Common Stock	125,000		125,000	D			
Non- Qualified Stock Option (right to buy)	\$ 16.97							10/23/1999	10/23/2008	Common Stock	220,728		220,728	D			

Non- Qualified Stock Option (right to buy)	\$ 26.25			11/10/2001	11/10/2010	Common Stock	18,951	18,951	D	
Non- Qualified Stock Option (right to buy)	\$ 29.31			10/02/2002	10/02/2011	Common Stock	28,425	28,425	D	
Non- Qualified Stock Option (right to buy)	\$ 32.75			04/04/2002	04/04/2011	Common Stock	18,951	18,951	D	
Non- Qualified Stock Option (right to buy)	\$ 33.75			10/27/2000	10/27/2009	Common Stock	90,000	90,000	D	
Non- Qualified Stock Option (right to buy)	\$ 34.67			11/08/2003	01/28/2013	Common Stock	15,724	15,724	D	
Non- Qualified Stock Option (right to buy)	\$ 37.05			11/08/2003	11/08/2012	Common Stock	7,863	7,863	D	
Non- Qualified Stock Option (right to buy)	\$ 40.66			10/27/2004	08/02/2014	Common Stock	4,500	4,500	D	
Non- Qualified Stock Option (right to buy)	\$ 44.6875			08/13/2000	08/13/2010	Common Stock	37,901	37,901	D	
Non- Qualified Stock Option (right to buy)	\$ 45.16			10/27/2004	04/26/2014	Common Stock	7,500	7,500	D	
Non- Qualified Stock Option (right to buy)	\$ 51.229			11/08/2003	07/30/2013	Common Stock	7,863	7,863	D	
Non- Qualified Stock Option (right to buy)	\$ 53.86			10/27/2004	10/27/2013	Common Stock	12,000	12,000	D	

Non-											
Qualified											
Stock	\$ 58.10				10/27/2004	01/27/2014	Common	6,000	6,000	D	
Option	\$ 30.10				10/2//2004	01/27/2014	Stock	0,000	0,000	D	
(right to											
buy)											

Reporting Owners

	Relationships								
Reporting Owner Name / Address	Director	10% Owner	Officer	Other					
LEVY KENNETH C/O KLA-TENCOR CORPORATION 160 RIO ROBLES SAN JOSE, CA 95130	Х		Chairman of the Board						

Signatures

By: Stuart J. Nichols For: Kenneth Levy	09/23/2004
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) $\frac{1}{4}$ Due to an administrative error, the number of securities beneficially owned by the reporting person was reported incorrectly on the original Form

(2) Due to an administrative error, the number of securities beneficially owned by the reporting person was reported incorrectly on the original Form $\frac{4}{4}$

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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