FORM 4

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

OMB APPROVAL
OMB Number: 3235-0287
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See

Stock

Option

(right to buy) Non-Qualified Stock

Option

(right to buy)

\$ 34.67

\$ 37.05

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

-	tion 1(b).			In	ves	tment C	omp	oany A	ct of	1940									
(Print or Typ	e Responses)																	
1. Name and Hall Jeffro		Reporting Person*				ame and T				ymbol			Direct	or	(Check	g Person(s) to all applicab			
C/O KLA ROBLES		(First) R CORPORATIO	NT 160 DTO	3. Date of 09/21/2		arliest Tra 4	nsact	ion (Mo	nth/Da	ıy/Year)			X_Office	er (give	VP, Co	Oth orporate Fina	nce	low)	
		(Street)		4. If Am	endr	nent, Date	e Ori	ginal Fil	ed(Mon	th/Day/Yea	ar)		_ Form fil	ed by C	one Reporting P	Filing(Check erson eporting Person		ine)	
	E, CA 951												_ 101111 1110	d by iv	iore than one R	eporting i erson			
(City)	(State)	(Zip)			Т	able	I - Non	-Deriv	ative Se	curities	Acquire	d, Disp	osed (of, or Benefi	icially Own	ed		
1.Title of Se (Instr. 3)	ecurity		2. Transaction Date (Month/Day/Year	r) any	tion	ed Date, if ay/Year)	Code (Insti	r. 8)	(A	Securitie a) or Dispostr. 3, 4	posed of and 5)	f (D) O		llowi n(s)	ecurities Ber ng Reported		6. Ownershi Form: Direct (D) or Indirect (I) (Instr. 4)	p of l Bei	neficial nership
Common	Stock										()	98	31	tion of information contained SEC 1474 cond unless the form displays					
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security		3A. Deemed Execution Date, if	4. Transac Code	tion	5. Numb	er ative es d (A)	a cquired, las, option	Dispos is, con Exerction Da	tly valid sed of, or vertible risable are ate	d OMB r Benefi securiti	icially Ovies) 7. Title a of Unde Securitie	Itrol number. Iy Owned Title and Amount Underlying 8. Price of 9. Number of Derivative Derivative		of 10. Owne Form Deriva Securi Direct	f 10. 11.1 Ownership of Ir Form of Derivative Security: (Ins Direct (D) or Indirect			
				Code	V	(A)	(D)	Date Exercis	sable	Expira Date	ition	Title	or	nount mber ares		Transaction((Instr. 4)	(I) (Instr. 4)	4)	1
Non- Qualified Stock Option (right to buy)	\$ 41.79	09/21/2004		A		20,000		09/21	/2005	09/21	./2014	Comm	120	,000	\$ 0	20,000	D		
Non- Qualified Stock Option (right to buy)	\$ 29.31							10/02	/2002	2 10/02	2/2011	Comm	on 22	,500		22,500	D		
Non- Qualified																			

11/08/2003 01/28/2013

11/08/2003 11/08/2012

Common

Stock

Common

Stock

5,500

3,250

5,500

3,250

D

D

Non- Qualified Stock Option (right to buy)	\$ 40.66			10/27/2004	08/02/2014	Common Stock	1,950	1,950	D	
Non- Qualified Stock Option (right to buy)	\$ 45.16			10/26/2004	04/26/2014	Common Stock	3,250	3,250	D	
Non- Qualified Stock Option (right to buy)	\$ 46.67			11/10/2001	07/10/2011	Common Stock	35,811	35,811	D	
Non- Qualified Stock Option (right to buy)	\$ 51.229			11/08/2003	07/30/2013	Common Stock	3,250	3,250	D	
Non- Qualified Stock Option (right to buy)	\$ 53.86			10/27/2004	10/27/2013	Common Stock	5,200	5,200	D	
Non- Qualified Stock Option (right to buy)	\$ 58.10			10/27/2004	01/27/2014	Common Stock	2,600	2,600	D	

Reporting Owners

	Relationships								
Reporting Owner Name / Address	Director	10% Owner	Officer	Other					
Hall Jeffrey C/O KLA-TENCOR CORPORATION 160 RIO ROBLES SAN JOSE, CA 95130			VP, Corporate Finance						

Signatures

By: Stuart J. Nichols For: Jeffrey Hall	09/23/2004
**Signature of Reporting Person	Date

Explanation of Responses:

- $_{\star}$ $\,$ 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).

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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