FORM	4
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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

1. Name and Address of Repor URBANEK LIDA (Last) (Fi	2. Issuer Name and KLA TENCOR 3. Date of Earliest T 01/31/2006	CORP [K	LAC	2]		5. Relationship of Reporting Person(s) to Issuer (Check all applicable) X_Director10% Owner Officer (give title below)Other (specify below)					
ROBLES	lu olu lloi,	100 100	01/31/2000								
(Stan Jose, CA 95130	4	4. If Amendment, D	ate Original	Filed	(Month/Day	_X_Form filed by One Reporting Person	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) (St	ate)	(Zip)	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned								
1.Title of Security (Instr. 3)	Date	e nth/Day/Year)	Execution Date, if any	(Instr. 8)	ion	(A) or Di	A) or Disposed of (D)		Owned Following Reported Transaction(s)	6. Ownership Form:	Beneficial
			(Month/Day/Year)	Code	v	Amount	(A) or (D)	Price	(Instr. 3 and 4)		Ownership (Instr. 4)
Common Stock									1,946	D	
Common Stock							29		29,555	Ι	Family Foundation
Common Stock									1,271,414	Ι	by Trust
Common Stock-Restricte Units ⁽¹⁾	ed Stock								1,000	D	

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)														
	2. Conversion or Exercise Price of Derivative Security		3A. Deemed Execution Date, if any (Month/Day/Year)	Code	tion)		ive ies ed ed	Expiration Date of U (Month/Day/Year) Secu		Date of Underlying /Year) Securities (Instr. 3 and 4)		Derivative	Securities Beneficially Owned Following	Ownership Form of Derivative Security: Direct (D) or Indirect	Beneficial
				Code	v	(A)		Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Non- Qualified Stock Option (right to buy)	\$ 51.98	01/31/2006		A		1,250		01/31/2006	01/31/2013	Common Stock	1,250	\$ 0	1,250	D	
Non- Qualified Stock Option (right to buy)	\$ 12.50							06/13/1996	05/13/2006	Common Stock	280		280	D	
Non- Qualified Stock Option (right to buy)	\$ 13.44							07/22/1999	07/22/2008	Common Stock	5,000		5,000	D	

Non- Qualified Stock Option (right to buy)	\$ 17.59			11/17/1998	11/17/2008	Common Stock	6,666	6,666	D	
Non- Qualified Stock Option (right to buy)	\$ 26.25			11/10/2000	11/10/2010	Common Stock	10,000	10,000	D	
Non- Qualified Stock Option (right to buy)	\$ 29			07/22/1998	07/22/2007	Common Stock	5,000	5,000	D	
Non- Qualified Stock Option (right to buy)	\$ 37.05			11/08/2002	11/08/2012	Common Stock	10,000	10,000	D	
Non- Qualified Stock Option (right to buy)	\$ 40.24			05/11/2005	05/11/2015	Common Stock	2,500	2,500	D	
Non- Qualified Stock Option (right to buy)	\$ 40.68			10/18/2004	10/18/2014	Common Stock	2,500	2,500	D	
Non- Qualified Stock Option (right to buy)	\$ 44.76			01/25/2005	01/25/2015	Common Stock	2,500	2,500	D	
Non- Qualified Stock Option (right to buy)	\$ 46.28			11/16/1999	11/16/2009	Common Stock	10,000	10,000	D	
Non- Qualified Stock Option (right to buy)	\$ 47.23			11/09/2001	11/09/2011	Common Stock	10,000	10,000	D	
Non- Qualified Stock Option (right to buy)	\$ 49.99			11/04/2005	11/04/2012	Common Stock	1,250	1,250	D	
Non- Qualified Stock Option (right to buy)	\$ 51.35			08/02/2005	08/02/2015	Common Stock	2,500	2,500	D	

Non-											
Qualified											
Stock	\$ 59.44				11/05/2003	11/05/2013	Common	10.000	10,000	D	
Option	\$ 39.44				11/03/2003	11/03/2013	Stock	10,000	10,000	D	
(right to											
buy)											l

Reporting Owners

		Relationsl	nips	
Reporting Owner Name / Address	Director	10% Owner	Officer	Other
URBANEK LIDA C/O KLA-TENCOR CORPORATION 160 RIO ROBLES SAN JOSE, CA 95130	Х			

Signatures

By: Stuart J. Nichols For: Lida Urbanek	02/01/2006
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.

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