LEVY KENNETH Form 4

August 19, 2005

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB 3235-0287

OMB APPROVAL

Number: January 31, Expires: 2005

Estimated average burden hours per response... 0.5

if no longer subject to Section 16. Form 4 or Form 5

obligations

may continue.

See Instruction

Check this box

SECURITIES

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)

1. Name and Address of Reporting Person * LEVY KENNETH			suer Name and Ticker or Trading ol TENCOR CORP [klac]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)			
(Last)	, ,	(Mont	e of Earliest Transaction h/Day/Year) 7/2005	_X_ Director _X_ Officer (give	10	% Owner her (specify	
1001001	CODEES	00/1	112003	below) below) Chairman of the Board			
	(Street)		tmendment, Date Original Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person			
SAN JOSI	E, CA 95134		Form filed by More than One Reporting Person				
(City)	(State)	uired, Disposed o	f, or Benefici	ally Owned			
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	Code (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
Common Stock	08/17/2005	08/17/2005	S 40,000 D \$ 49.2586	298,000	I	KGMW,LP	
Common Stock				1,141	D		
Common Stock				40,000	I	Levy Fam. Foundation	
Common Stock				1,644,375	I	Levy Fam. Trust	

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

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SEC 1474 (9-02)

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

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. Dr. Dinumber of 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 A	Securities
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount Number Shares
Non-Qualified Stock Option (right to buy)	\$ 10.63					08/31/1999	08/31/2008	Common Stock	204,27
Non-Qualified Stock Option (right to buy)	\$ 16.97					10/23/1999	10/23/2008	Common Stock	220,72
Non-Qualified Stock Option (right to buy)	\$ 26.25					11/10/2001	11/10/2010	Common Stock	18,951
Non-Qualified Stock Option (right to buy)	\$ 29.31					10/02/2002	10/02/2011	Common Stock	28,425
Non-Qualified Stock Option (right to buy)	\$ 32.75					04/04/2002	04/04/2011	Common Stock	18,951
Non-Qualified Stock Option (right to buy)	\$ 33.75					10/27/2000	10/27/2009	Common Stock	90,000
Non-Qualified Stock Option (right to buy)	\$ 34.67					11/08/2003	01/28/2013	Common Stock	15,724
Non-Qualified Stock Option (right to buy)	\$ 37.05					11/08/2003	11/08/2012	Common Stock	7,863
Non-Qualified Stock Option	\$ 40.66					10/27/2004	08/02/2014	Common Stock	4,500

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(right to buy)					
Non-Qualified Stock Option (right to buy)	\$ 41.79	09/21/2005	09/21/2014	Common Stock	50,000
Non-Qualified Stock Option (right to buy)	\$ 44.6875	08/13/2000	08/13/2010	Common Stock	37,901
Non-Qualified Stock Option (right to buy)	\$ 45.16	10/27/2004	04/26/2014	Common Stock	7,500
Non-Qualified Stock Option (right to buy)	\$ 51.229	11/08/2003	07/30/2013	Common Stock	7,863
Non-Qualified Stock Option (right to buy)	\$ 53.86	10/27/2004	10/27/2013	Common Stock	12,000
Non-Qualified Stock Option (right to buy)	\$ 58.1	10/27/2004	01/27/2014	Common Stock	6,000

Reporting Owners

Reporting Owner Name / Address	Relationships					
Reporting Owner Name / Address	Director	10% Owner	Officer	Other		
LEVY KENNETH 160 RIO ROBLES SAN JOSE, CA 95134	X		Chairman of the Board			

Signatures

By: Stuart J. Nichols For: Kenneth Levy 08/19/2005

**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).

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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