FORM 4

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

OMB APPROVAL
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hours per response... 0.5

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

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

Responses)												,					
1. Name and Address of Reporting Person * MARXE AUSTIN W & GREENHOUSE DAVID M				2. Issuer Name and Ticker or Trading Symbol TEGAL CORP /DE/ [TGAL]							5. Relationship of Reporting Person(s) to Issuer (Check all applicable)						
(Last) (First) (Middle) 153 E 53RD ST, 55TH FL				3. Date of Earliest Transaction (Month/Day/Year) 01/09/2004									e title below)			elow)	
(Street)				4. If Amendment, Date Original Filed(Month/Day/Year)							_X_ I	6. Individual or Joint/Group Filing(Check Applicable Line) X_Form filed by One Reporting Person From filed by Mean then One Pengeting Person					
K, NY 100		(7:)											oim med oy		reporting reason	•	
	(State)	(Zip)	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned														
(Instr. 3) Date		Date	any		Code (Instr. 8)	ection	(A) or	A) or Disposed of ((D) Owned Follo Transaction(d Followi action(s)	owing Reported s)		Form:	7. Nature of Indirect Beneficial Ownership	
			(Monun/1	Јау/	i cai	Code	V	Amo		(A) or (D)	Price	(msu.	instr. 3 and 4)			or Indirect (I)	
ock		01/12/2004				S		150,0	000 [\$ 3.	.5181	6,324	1,609			I	By Limited Partnerships
ock		01/12/2004				S		210,0	000 [\$ 3.	.5179	6,114	1,609			I	By Limited Partnerships
ock		01/12/2004				S		163,0	000 [$\begin{array}{c c} S & \\ S & \\ \end{array}$.5477	5,951	1,609			I	By Limited Partnerships
ock		01/09/2004				S		300,0 (1)	000	\$ 3.	.4207	5,651	1,609 (<u>1)</u>			I (11)	By Limited Partnerships
oort on a sep	arate line for each of					•	Per in t a c	sons his fo urrent	rm ar ly val	re not r lid OMI	equire B cont	d to i	respond umber.				EC 1474 (9-02)
		Table II										Own	ed				
		6. Date Expirat	6. Date Exercisable and Expiration Date (Month/Day/Year) 7. Title of Unc			derlying Der ties Sec 3 and 4) (Ins			Derivative Securities Beneficially Owned Following Reported Transaction	Ownership Form of Derivative Security: Direct (D) or Indirect s) (I)	Beneficial Ownership (Instr. 4)						
			Code	v	(A)	(D)	Date Exercis	sable	Expir Date		Title		or Number		(Instr. 4)	(Instr. 4	
\$ 0.35	01/09/2004		С			103,250	09/10/	/2003	09/0	9/2011			295,000	\$ 0.35	1,661,12	0 I	By Limited Partnership
\$ 0.35	01/12/2004		С			183,080	09/10/	/2003	09/0	9/2011			523,000	\$ 0.35	1,478,07	0 I	By Limited Partnership
	address of R JSTIN W ST, 55TH C, NY 100 rity cock cock cock cock cock cock cock co	Address of Reporting Person *- USTIN W & GREENHOUS (First) ST, 55TH FL (Street) C, NY 10022 (State) Trity 2. Conversion or Exercise Price of Derivative Security \$ 0.35 01/09/2004	Address of Reporting Person *- USTIN W & GREENHOUSE DAVID M (First) (Middle) ST, 55TH FL (Street) C, NY 10022 (State) (Zip) Trity 2. Transaction Date (Month/Day/Year) Ock 01/12/2004 Ock 01/12/2004 Ock 01/12/2004 Ock 01/09/2004 Table II 2. Table II 2. Conversion Date (Month/Day/Year) (Conversion or Exercise Price of Derivative Security \$ 0.35 01/09/2004	Address of Reporting Person Description (First) (Middle) (ST, 55TH FL) (Middle) (ST, 55TH FL) (Street) (Street) (Street) (Street) (A. If Amount of ST, 55TH FL) (A. If Amount of ST,	Address of Reporting Person * USTIN W & GREENHOUSE DAVID M ST, 55TH FL (Street) (Street) (Street) (State) (State) (State) (Zip) (Month/Day/Year) (Month/Day/Year) (Month/Day/Year) (Deck 01/12/2004 Deck 01/12/2004	Address of Reporting Person ** JSTIN W & GREENHOUSE DAVID M ST, 55TH FL (Street) (Street) (Street) (State) (Zip) 2. Iransaction Date (Month/Day/Year) (Month/Day/Year) Dock 01/12/2004 Dock 01/12/200	2. Issuer Name and Ticker TEGAL CORP /DE/ [TG ST, 55TH FL] (Street) (A. If Amendment, Date Origin and Execution Date, if any (Month/Day/Year) (Month/Day/Year) (Month/Day/Year) (Code or Code or Co	2. Issuer Name and Ticker or Trad ISTIN W & GREENHOUSE DAVID M ST, 55TH FL (Street) (Code (Instr. 8) (Code (Instr. 8) (Instr. 8) (Month/Day/Year) (Reg., puts, calls, warrants, option (Ronth/Day/Year) (Ronth/	2. Issuer Name and Ticker or Trading Sy TEGAL CORP /DE/ [TGAL]	Address of Reporting Person * USTIN W & GREENHOUSE DAVID M ST, 55TH FL (Street) (A) Transaction Code (Instr. 8) (Instr. 3, 4; or of code (Instr. 8) (Instr	2. Issuer Name and Ticker or Trading Symbol TEGAL CORP / DE / [TGAL]	2. Issuer Name and Ticker or Trading Symbol TEGAL CORP / DE/ [TGAL]	STIN W & GREENHOUSE DAVID M TEGAL CORP / DE/ [TGAL] Transaction (Month/Day/Year) ST, 55TH FL ST, 55TH FL Street Str	2. Issuer Name and Ticker or Trading Symbol S. Relationshi STIN W & GREENHOUSE DAVID M TEGAL CORP /DE/[TGAL] STIN W & GREENHOUSE DAVID M TEGAL CORP /DE/[TGAL] ST, 55TH FL (Middle) S. Date of Earliest Transaction (Month/Day/Year) Officer (giv. offic	2. Issuer Name and Ticker or Trading Symbol	2.	2.

Reporting Owners

D # 0 Y /11	Relationships					
Reporting Owner Name / Address	Director	10% Owner	Officer	Other		
MARXE AUSTIN W & GREENHOUSE DAVID M 153 E 53RD ST 55TH FL NEW YORK, NY 10022		X				

Signatures

Austin W. Marxe	01/13/2004		
**Signature of Reporting Person	Date		
David M. Greenhouse	01/13/2004		
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).

 This is a joint filing by Austin W. Marxe (Marxe) and David M. Greenhouse (Greenhouse). They share voting and investment control over all securities owned by Special Situations Private

(1) Equity Fund, LP (PE), Special Situations Technology Fund, L.P. (Tech) and Special Situations Technology II, L.P. (Tech II), respectively. 888,130 Bonds Cvt for 2,537,514 Common Shares & 857,131 Wts are held by PE, 95,752 Bonds Cvt for 273,577 Common Shares & 93,515 Wts are held by Tech, 494,188 Bonds Cvt for 1,411,966 Common Shares & 477,906 Wts are held by Tech II. The interest of Marxe and Greenhouse in the above shares owned by PE, Tech, and Tech II is limited to the extent of his pecuniary interest.

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.