

FORM 3

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

OMB APPROVAL	
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INITIAL STATEMENT OF 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 Reporting Person * Alcatel-Lucent Participations (Last) (First) (Middle) 3, AVENUE OCTAVE GREARD (Street) PARIS, IO 75007 (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 09/16/2008	3. Issuer Name and Ticker or Trading Symbol TEGAL CORP /DE/ [TGAL]	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner <input type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below)	5. If Amendment, Date Original Filed(Month/Day/Year) 6. Individual or Joint/Group Filing(Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock, par value \$0.01	208,877 (1)	D (2)	

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

SEC 1473 (7-02)

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Alcatel-Lucent Participations 3, AVENUE OCTAVE GREARD PARIS, IO 75007		X		

Signatures

/s/ Thomas Geary		07/12/2012
<small>*Signature of Reporting Person</small>		Date

Explanation of Responses:

* If the form is filed by more than one reporting person, *see* Instruction 5(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) The number of shares of common stock (the "Shares") of Tegal Corporation (the "Issuer") held by Alcatel-Lucent Participations (the "Reporting Person") reflects a 1-for-5 reverse stock split effected on June 15, 2011.

The Reporting Person, a wholly owned subsidiary of Alcatel Lucent, a French corporation (the "Parent"), owns the Shares. Alcatel Micro Machining Systems ("AMMS"), a wholly-owned subsidiary of Parent, acquired the Shares on September 16, 2008 pursuant to an asset purchase agreement (the "Purchase Agreement") with the Issuer. Alcatel Vacuum Technology France ("AVTF"), formerly a wholly-owned subsidiary of the Parent, acquired the Shares in connection with the liquidation of AMMS on April 13, 2010. AVTF transferred the Shares to the Reporting Person in November of 2010.

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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