

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

FORM 8-K

CURRENT REPORT
PURSUANT TO SECTION 13 OR 15(d) OF THE
SECURITIES EXCHANGE ACT OF 1934

Date of report (Date of earliest event reported): December 31, 2010

Tegal Corporation
(Exact Name of Registrant as Specified in Charter)

Delaware
(State or Other Jurisdiction
of Incorporation)
000-26824
(Commission
File Number)
68-0370244
(I.R.S. Employer
Identification No.)

2201 South McDowell Boulevard
Petaluma, CA 94954
(Address of Principal Executive Offices)

(707) 763-5600
(Registrant's telephone number, including area code)

(Former Name or Former Address, if Changed Since Last Report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (*see* General Instruction A.2. below):

- Written communication pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 5.02. Departure of Directors or Certain Officers; Election of Directors; Appointment of Certain Officers; Compensatory Arrangements of Certain Officers

On December 31, 2010, the Board accepted the resignation of Gilbert Bellini as a member of the Board, effective as of December 31, 2010. Mr. Bellini wrote a letter of resignation, a copy of which is attached as Exhibit 99.1 hereto and is incorporated herein by reference. Mr. Bellini's resignation is not related to any disagreement with the Company's operations, policies or practices.

ITEM 9.01. Financial Statements and Exhibits.

(d) Exhibits

Exhibit No.	Description
99.1	Letter of resignation dated December 31, 2010.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Date: January 5, 2011

TEGAL CORPORATION

By: \s\ Christine Hergenrother
Name: Christine Hergenrother
Title: Chief Financial Officer

EXHIBIT INDEX

<u>Exhibit No.</u>	<u>Description</u>
99.1	Letter of resignation dated December 31, 2010.



Alcatel Vacuum Technology France

98, avenue de Brogny - BP 2069

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TEGAL Corporation

2201 South McDowell Boulevard

Petaluma, CA 94954

USA

To the attention of Thomas R. MIKA

President, CEO and Chairman

Annecy, December 31st, 2010

Resignation from the Board of Directors of TEGAL Corporation

Dear Mr. MIKA,

I hereby resign from the Board of Directors of Tegal Corporation, effective as of the date hereof and subject to the occurrence of the transfer of the shares of Alcatel Vacuum Technology France to Pfeiffer Vacuum Technology A.G.

Sincerely,



Gilbert BELLINI