AXCELIS TECHNOLOGIES INC Form 8-K/A December 13, 2002

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D. C. 20549

FORM 8-K/A

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 11, 2002

AXCELIS TECHNOLOGIES, INC. (Exact name of registrant as specified in its charter)

Delaware (State or other jurisdiction of (Commission file number) (IRS employer identification incorporation or organization)

000-30941

34-1818596 number)

55 Cherry Hill Drive Beverly, Massachusetts 01915 (Address of Principal Executive Offices) (Zip Code)

Registrant's telephone number, including area code: (978) 787-4000

- This amendment is being filed to correct a typographical error Note: in the internet address below and to file Exhibit 99.1.
- Financial Statements, Pro Forma Financial Information and Exhibits Item 7.
- (C) Exhibits:
 - Memorandum Regarding Claims Construction from the United 99.1 States District Court, District of Massachusetts, December 10, 2002. Filed herewith.

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Item 9. Regulation FD Disclosure

On December 11, 2002, the United States District Court for the District of Massachusetts issued a Memorandum Regarding Claims Construction in Axcelis' patent litigation against Applied Materials, Inc. (Civil Action No. 01-10029-DPW). This decision filed herewith as Exhibit 99.1, is publicly available from the court and can be accessed at http://pacer.mad.uscourts.gov/dc/cgi-bin/recentops.pl?filename =woodlock/pdf/axcelis.pdf.

In addition, the Court has scheduled a conference with the parties in this case in mid January 2003 to discuss future proceedings.

SIGNATURE

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

AXCELIS TECHNOLOGIES, INC.

Dated: December 13, 2002

By: /s/ Cornelius F. Moses, III

Cornelius F. Moses, III Executive Vice President and Chief Financial Officer

EXHIBIT INDEX

Exhibit No. Description

99.1 Memorandum Regarding Claims Construction from the United States District Court, District of Massachusetts, December 10, 2002. Filed herewith.