### BASSETT STEPHEN G

Form 4/A

November 18, 2009

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

**SECURITIES** 

OMB Number:

**OMB APPROVAL** 

3235-0287

Expires:

January 31,

2005

0.5

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response...

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

obligations

Check this box

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

may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person \* BASSETT STEPHEN G

2. Issuer Name and Ticker or Trading

Issuer

below)

Symbol

**AXCELIS TECHNOLOGIES INC** 

(Check all applicable)

5. Relationship of Reporting Person(s) to

[ACLS]

(Last) (First) (Middle)

(Street)

3. Date of Earliest Transaction

Director 10% Owner X\_ Officer (give title Other (specify

(Month/Day/Year)

11/16/2009

11/18/2009

below) Executive VP and CFO

108 CHERRY HILL DRIVE

6. Individual or Joint/Group Filing(Check Applicable Line)

4. If Amendment, Date Original Filed(Month/Day/Year)

(Instr. 8)

\_X\_ Form filed by One Reporting Person Form filed by More than One Reporting

(Instr. 4)

Person

BEVERLY, MA 01915

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year)

Execution Date, if

(Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5)

5. Amount of Securities Beneficially Owned

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership (T)

(Instr. 4)

Following Reported

Transaction(s) (Instr. 3 and 4)

(A)

Code V Amount (D) Price

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

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

1. Title of Derivative Conversion Security or Exercise

3. Transaction Date 3A. Deemed (Month/Day/Year)

Execution Date, if any

4. 5. Number of TransactionDerivative Code Securities

6. Date Exercisable and **Expiration Date** (Month/Day/Year)

7. Title and Amount Underlying Securities (Instr. 3 and 4)

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(Instr. 3) Price of (Month/Day/Year) (Instr. 8) Acquired (A) or Derivative Disposed of (D) Security (Instr. 3, 4, and 5) Code V (D) Date Exercisable Expiration Title (A) Amou Date Numb Shares Stock option Common  $A^{(1)}$ 11/16/2013(2) 11/16/2019 \$ 1.16 11/16/2009 125,000 125,0 Stock (right to buy)

## **Reporting Owners**

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

BASSETT STEPHEN G 108 CHERRY HILL DRIVE BEVERLY, MA 01915

Executive VP and CFO

## **Signatures**

Lynnette C. Fallon, as attorney in fact for Stephen G.

Bassett

11/18/2009

\*\*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).
- (1) Granted Pursuant to the Axcelis Technologies, Inc. 2000 Stock Plan.
- (2) Exercisable as to 25% of the total shares on each of 11/16/2010, 11/16/2011, 11/16/2012 and 11/16/2013.

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.

Reporting Owners 2