FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APP	ROVAL
OMB Number:	3235-02

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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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

(Caty) (State) (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned (Instr. 3) (Instr. 3) (Instr. 4) (Instr. 3) (Instr. 4) (Instr. 3) (Instr. 3) (Instr. 4) (Instr. 3) (Instr. 4) (Instr. 3) (Instr. 4) (In	1. Name and Address of Reporting Person* BRAUN EDWARD H						2. Issuer Name and Ticker or Trading Symbol AXCELIS TECHNOLOGIES INC [ACLS]									Check a	all app	nship of Reporting Po applicable) Director		Person(s) to Issuer 10% Owner		
(Street) BEVERLY MA 01915 Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1. Title of Security (Instr. 3) Derivative Security (Month/Day/Year) Oscillatory (Month/Day/Year) Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned 1. Title of Security (Instr. 3) Derivative Security (Instr. 3) Derivative Security (Month/Day/Year) Table II - Derivative Securities Acquired, Disposed of (D) (Instr. 3, 4 and 5) Oscillatory (Instr. 3) Table II - Derivative Securities Acquired (A) or Oscillatory (Instr. 3) Table II - Derivative Securities Acquired (A) or Oscillatory (Instr. 3) Table II - Derivative Securities Acquired (A) or Oscillatory (Instr. 3) Table II - Derivative Securities Acquired (Derivative Securities Acquired (A) or Oscillatory (Instr. 3) Table II - Derivative Securities Acquired (Derivative Securities Acquired (Month/Day/Year) Table II - Derivative Securities	C/O AXO	CELIS TEC	HNOLOGIES, I																Other (specit below)			
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Explanation of Responses:

Lynnette C. Fallon, as attorney in fact for Edward H. Braun

03/08/2012

** Signature of Reporting Person

Date

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

- * 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.