

Nersesian Ronald S.  
Form 4  
November 19, 2010

**FORM 4**

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

OMB APPROVAL

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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 OF SECURITIES**

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 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
Nersesian Ronald S.

2. Issuer Name and Ticker or Trading Symbol  
AGILENT TECHNOLOGIES INC  
[A]

5. Relationship of Reporting Person(s) to Issuer  
  
(Check all applicable)

(Last) (First) (Middle)  
5301 STEVENS CREEK BLVD.  
  
(Street)

3. Date of Earliest Transaction (Month/Day/Year)  
11/17/2010

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
Senior Vice President

SANTA CLARA, CA 95051

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

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
\_\_\_\_ Form filed by More than One Reporting Person

(City) (State) (Zip)

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

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) |   | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) |            | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership (Instr. 4) |  |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|------------|---|--|-----------------------------------|--|
|                                 |                                      |  | Code                           | V | Amount  | (A) or (D) |   |  |                                   | Price                                    |
| Common Stock                    | 10/29/2010                           |  | J <sup>(1)</sup>               | V | 84.519  | A          | \$ 29.581   | 36,550.7202  | D                                 | Indirect Beneficial Ownership (Instr. 4) |
| Common Stock                    | 11/17/2010                           |  | A <sup>(2)</sup>               |   | 19,328  | A          | \$ 35.21  | 55,878.7202  | D                                 | Indirect Beneficial Ownership (Instr. 4) |
| Common Stock                    | 11/17/2010                           |  | F                              |   | 621   | D          | \$ 35.21  | 55,257.7202  | D                                 | Indirect Beneficial Ownership (Instr. 4) |
| Common Stock                    | 11/17/2010                           |  | A <sup>(3)</sup>               |   | 20,000  | A          | \$ 0  | 75,257.7202  | D                                 | Indirect Beneficial Ownership (Instr. 4) |

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

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.

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(9-02)

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

| 1. Title of Derivative Security (Instr. 3)          | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Security (Instr. 3 and 4) |
|---|--|--------------------------------------|--|--------------------------------|---|--|---|
| Employee Stock Option (Right to Buy) <sup>(4)</sup> | \$ 35.21   | 11/17/2010                           |  | A                              | 91,066  | 11/17/2011 <sup>(5)</sup> 11/16/2020                     | Common Stock 91,0   |

## Reporting Owners

| Reporting Owner Name / Address   | Relationships |           |                       |       |
|--|---------------|-----------|-----------------------|-------|
|  | Director      | 10% Owner | Officer               | Other |
| Nersesian Ronald S.<br>5301 STEVENS CREEK BLVD.<br>SANTA CLARA, CA 95051 |               |           | Senior Vice President |       |

## Signatures

/s/ Stephen D. Williams, attorney-in-fact for Mr. Nersesian  
 11/19/2010  
 \*\*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) Shares acquired in an Employee Stock Purchase Plan under Section 423 of the Internal Revenue Code of 1986, as amended, in a transaction exempt under Rule 16b-3.  
 On November 17, 2010, 19,328 shares of common stock of Agilent Technologies, Inc. were awarded to the reporting person pursuant to the Agilent Technologies, Inc. Long-Term Performance Program. Under the Agilent Technologies, Inc. Deferred Compensation Plan, the reporting person has elected to defer 18,095 of such shares of common stock.
- (3) Restricted Stock Units granted under the Agilent Technologies, Inc. 2009 Stock Plan, in compliance with Rule 16b-3. The restricted stock units vest in four equal annual installments beginning on November 17, 2011.

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- (4) Right to buy Agilent Technologies, Inc. common stock granted under the Agilent Technologies, Inc. 2009 Stock Plan, in compliance with Rule 16b-3.
- (5) The option is exercisable in four equal installments beginning on the first anniversary of the date of the grant. The first vesting date is stated.

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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