HIRSCH DIDIER

Form 4

November 29, 2017

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB

OMB APPROVAL

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SECURITIES Form 5 obligations

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 Add HIRSCH DID | ress of Reporting Person IER | 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) 11/28/2017 | Director 10% Owner X Officer (give title Other (specifically) below) Sr. VP and CFO | | |
| | | 4. If Amendment, Date Original Filed(Month/Day/Year) | 6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person | | |
| SANTA CLAI | RA, CA 95051 | | Form filed by More than One Reporting Person | | |

| | , | | | | | | Person | | |
|--------------------------------------|--------------------------------------|--|--|--|-------|-------------|---|--|---|
| (City) | (State) | (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Bene | | | | | | or Beneficiall | y Owned |
| 1.Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transactic Code (Instr. 8) | 4. Securiti or(A) or Dis (Instr. 3, 4) | posed | of (D) | 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 Indirect Beneficial Ownership (Instr. 4) |
| Common Stock | 11/28/2017 | | M | 20,000 | A | \$ 26.19 | 204,850.5233 | D | |
| Common Stock | 11/28/2017 | | S | 20,000 | D | \$ 70.4 | 184,850.5233 | D | |
| Common Stock | | | | | | | 100 | I | Held by Spouse |

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 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 actionDerivative Securities 8) Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | | 6. Date Exercisable and Expiration Date (Month/Day/Year) | | 7. Title and Amount Underlying Securition (Instr. 3 and 4) | |
|---|---|---|---|---|--|--------|--|--------------------|--|------------------------------|
| | | | | Code V | (A) | (D) | Date Exercisable | Expiration Date | Title | Amou or Numb of Sha |
| Employee Stock Option (Right to Buy) (1) | \$ 26.19 | 11/28/2017 | | M | | 20,000 | 11/21/2013(2) | 11/20/2022 | Common Stock | 20,0 |

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

HIRSCH DIDIER

5301 STEVENS CREEK BLVD. Sr. VP and CFO

SANTA CLARA, CA 95051

Signatures

/s/ P. Diana Chiu, attorney-in-fact for Mr.
Hirsch

**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) Right to buy Agilent Technologies, Inc. common stock granted under the Agilent Technologies, Inc. Stock Plan, in compliance with Rule 16b-3.
- (2) The option is exercisable in four equal annual 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. 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.

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