Gonsalves Rodney Form 4 November 16, 2017

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

30(h) of the Investment Company Act of 1940

OMB APPROVAL

OMB 3235-0287 Number: January 31,

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

Check this box

SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue.

1(b).

(Print or Type Responses)

See Instruction

1. Name and Address of Reporting Person **Gonsalves Rodney	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	3. Date of Earliest Transaction (Month/Day/Year) 11/14/2017	Director 10% Owner Officer (give title Other (specify below)			
(Street)	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 CLARA, CA 95051		Form filed by More than One Reporting Person			

(City)	(State)	(Zip) Tabl	e I - Non-E	Perivative	Secur	ities Acq	uired, Disposed of	, 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. Securi on(A) or Di (Instr. 3,	spose	d 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	11/14/2017		A	2,911 (1)	A	\$ 67.46	20,927.1551 (2)	D	
Common Stock	11/14/2017		A	5,080 (3)	A	\$ 67.46	26,007.1551	D	
Common Stock	11/14/2017		F	209 (4)	D	\$ 67.46	25,798.1551	D	

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

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number.

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

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Titl	le and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	orNumber	Expiration D	ate	Amou	ınt of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	rlying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Secur	ities	(Instr. 5)	Bene
	Derivative				Securities			(Instr.	3 and 4)		Own
	Security				Acquired						Follo
	·				(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						`
					4, and 5)						
									Amount		
						Date	Expiration		or		
						^	Date	Title	Number		
						2.1010104010	2 4.0		of		
				Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Gonsalves Rodney

5301 STEVENS CREEK BLVD V.P., Corporate Controller

SANTA CLARA, CA 95051

Signatures

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

11/16/2017

**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) 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 14, 2018.
- (2) 217.8951 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 and 4.724 shares acquired through the Agilent Technologies, Inc. dividend reinvestment plan.
- On November 14, 2017, 5,080 shares of common stock of Agilent Technologies, Inc. were issued to the reporting person pursuant to the (3) Agilent Technologies, Inc. Long-Term Performance Program, of which 4,826 shares were deferred pursuant to the Agilent Technologies, Inc. Deferred Compensation Plan.
- (4) The reporting person surrendered 209 shares to Agilent Technologies, Inc. to satisfy the tax liability on the vesting of restricted stock units in accordance with Rule 16b-3.

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