

AGILENT TECHNOLOGIES INC  
 Form 3/A  
 May 23, 2008

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

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**INITIAL STATEMENT OF 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)

<p>1. Name and Address of Reporting Person *</p> <p>Â Roelofs Nicolas H PHD</p> <p>(Last) (First) (Middle)</p> <p>5301 STEVENS CREEK BLVD.</p> <p>(Street)</p> <p>SANTA CLARA,Â CAÂ 95051</p> <p>(City) (State) (Zip)</p>	<p>2. Date of Event Requiring Statement</p> <p>(Month/Day/Year)</p> <p>11/15/2007</p>	<p>3. Issuer Name <b>and</b> Ticker or Trading Symbol</p> <p>AGILENT TECHNOLOGIES INC [A]</p>	<p>4. Relationship of Reporting Person(s) to Issuer</p> <p>(Check all applicable)</p> <p><input type="checkbox"/> Director <input type="checkbox"/> 10% Owner</p> <p><input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other</p> <p>(give title below) (specify below)</p> <p>Vice President</p>	<p>5. If Amendment, Date Original Filed(Month/Day/Year)</p> <p>11/21/2007</p> <p>6. Individual or Joint/Group Filing(Check Applicable Line)</p> <p><input checked="" type="checkbox"/> Form filed by One Reporting Person</p> <p><input type="checkbox"/> Form filed by More than One Reporting Person</p>
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**Table I - Non-Derivative Securities Beneficially Owned**

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock <sup>(1)</sup>	3,528	D	Â

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly. SEC 1473 (7-02)

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

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date			
		Title	Amount or Number of		

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				Shares		(I) (Instr. 5)	
Employee Stock Option (Right to Buy) <sup>(2)</sup>	07/18/2007 <sup>(3)</sup>	07/17/2016	Common Stock	26,253	\$ 26.99	D	Â
Employee Stock Option (Right to Buy) <sup>(2)</sup>	11/15/2007 <sup>(3)</sup>	11/14/2016	Common Stock	16,500	\$ 33.14	D	Â

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Roelofs Nicolas H PHD 5301 STEVENS CREEK BLVD. SANTA CLARA, CA 95051	Â	Â	Â Vice President	Â

## Signatures

Marie Oh Huber, attorney-in-fact for Mr.  
Roelofs

05/23/2008

\_\_Signature of Reporting Person

Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, *see* Instruction 5(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) This amended Form 3 is being filed to correct the number of shares held by reporting person as of November 15, 2007. On November 21, 2007, the reporting person mistakenly filed 2,680 shares of common stock on the original Form 3. The right amount is 3,528 shares.
- (2) Right to buy Agilent Technologies, Inc. common stock granted under the Agilent Technologies, Inc. 1999 Stock Plan, in compliance with Rule 16b-3.
- (3) 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. 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.