

Start Valerie Denise Harding
 Form 4
 February 12, 2018

FORM 4

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

OMB APPROVAL

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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 *
 Start Valerie Denise Harding

 (Last) (First) (Middle)
 C/O IGNYTA, INC., 4545 TOWNE CENTRE COURT

 (Street)
 SAN DIEGO, CA 92121

 (City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
 Ignyta, Inc. [RXDX]

 3. Date of Earliest Transaction (Month/Day/Year)
 02/08/2018

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

5. Relationship of Reporting Person(s) to Issuer

 (Check all applicable)
 ___ Director ___ 10% Owner
 Officer (give title below) ___ Other (specify below)
 SVP, Chemistry, Mfg & Controls

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

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)
				(A) or (D) Price			
Common Stock	02/08/2018		D	V Amount (D) \$ 27 (1)	0	D	

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)

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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 Securities (Instr. 3 and 4)	Amount or Number of Shares	
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	
Stock Option (Right to Buy)	\$ 14.47	02/08/2018		D	200,000	(2) 09/01/2025		Common Stock	200,000
Stock Option (Right to Buy)	\$ 5.6	02/08/2018		D	50,000	(2) 01/04/2027		Common Stock	50,000

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Start Valerie Denise Harding C/O IGNYTA, INC. 4545 TOWNE CENTRE COURT SAN DIEGO, CA 92121			SVP, Chemistry, Mfg & Controls	

Signatures

/s/ Jonathan E. Lim, 02/12/2018
 Attorney-in-Fact

__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) In connection with the acquisition of the Issuer by Roche Holdings, Inc. ("Parent") on February 8, 2018, and pursuant to the terms of the Agreement and Plan of Merger by and among the Issuer, Parent and Abingdon Acquisition Corp. ("Merger Sub") dated December 21, 2017, Merger Sub acquired all of the issued and outstanding shares of Common Stock (the "Shares") for a purchase price of \$27.00 per Share (the "Merger").
- (2) In connection with the Merger described in footnote (1), this option became fully vested and was automatically canceled and terminated and the holder became entitled to receive an amount in cash, without interest and less the amount of any tax withholding, equal to the product of (1) the number of shares of Common Stock of the Issuer underlying such option multiplied by (2) the excess, if any, of \$27.00 over the exercise price per share of such option.

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.