McCarthy William R Form 4 February 12, 2018

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

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obligations

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 may continue.

1(b).

(Print or Type Responses)

See Instruction

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading McCarthy William R Issuer Symbol Ignyta, Inc. [RXDX] (Check all applicable) (First) (Middle) 3. Date of Earliest Transaction (Last) (Month/Day/Year) Director 10% Owner X_ Officer (give title Other (specify C/O IGNYTA, INC., 4545 TOWNE 02/08/2018 below) below) CENTRE COURT Chief Business Officer (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting SAN DIEGO, CA 92121 Person (City) (State) (Zip)

(City)	(State) (2	Table	I - Non-De	erivative S	ecurit	ies Acq	uired, Disposed o	f, or Beneficial	ly Owned
1.Title of	2. Transaction Date		3.	4. Securiti			5. Amount of	6. Ownership	
Security	(Month/Day/Year)	Execution Date, if	Transactio	n(A) or Dis	sposed	of	Securities	Form: Direct	Indirect
(Instr. 3)		any	Code	(D)			Beneficially	(D) or	Beneficial
		(Month/Day/Year)	(Instr. 8)	(Instr. 3, 4	and 5	5)	Owned	Indirect (I)	Ownership
							Following	(Instr. 4)	(Instr. 4)
							Reported		
					(A)		Transaction(s)		
					or		(Instr. 3 and 4)		
			Code V	Amount	(D)	Price	(Institution and I)		
Common Stock	02/08/2018		D	22,199	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. Transactio Code (Instr. 8)	5. Number of orDerivative 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)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (Right to Buy)	\$ 13.29	02/08/2018		D	2	200,000	<u>(2)</u>	12/06/2025	Common Stock	200,000
Stock Option (Right to Buy)	\$ 5.6	02/08/2018		D		50,000	<u>(2)</u>	01/04/2027	Common Stock	50,000

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			

McCarthy William R C/O IGNYTA, INC. 4545 TOWNE CENTRE COURT SAN DIEGO, CA 92121

Chief Business Officer

Signatures

/s/ Jonathan E. Lim, Attorney-in-Fact

02/12/2018

**Signature of Reporting Person

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).
- 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").
- 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.

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