Ignyta, Inc. Form 4 June 15, 2016

FORM 4

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

Check this box

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

obligations

may continue.

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 See Instruction

1(b).

(Last)

1.Title of

Security

(Instr. 3)

(Print or Type Responses)

1. Name and Address of Reporting Person * Dreismann Heiner

(First) (Middle)

C/O IGNYTA, INC., 11111 FLINTKOTE AVE.

SAN DIEGO, CA 92121

(Street)

2. Issuer Name and Ticker or Trading Symbol

Ignyta, Inc. [RXDX]

3. Date of Earliest Transaction

(Month/Day/Year) 06/13/2016

4. If Amendment, Date Original

Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

OMB APPROVAL

3235-0287

January 31,

2005

0.5

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Number:

Expires:

response...

Estimated average

burden hours per

X_ Director 10% Owner Officer (give title Other (specify below)

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

(I)

(Instr. 4)

6. Ownership

Form: Direct

7. Nature of

Ownership

(Instr. 4)

Indirect

(D) or Indirect Beneficial

5. Amount of

Securities

Beneficially

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

(City) (State)

(Zip)

2. Transaction Date 2A. Deemed (Month/Day/Year) Execution Date, if

(Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 8)

(Instr. 3, 4 and 5)

Owned Following Reported (A)

Transaction(s) or (Instr. 3 and 4) Code V Amount (D) Price

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 Conversion Security or Exercise

3. Transaction Date 3A. Deemed (Month/Day/Year)

Execution Date, if any

4. 5. Number of **Transaction**Derivative Code Securities

6. Date Exercisable and **Expiration Date** (Month/Day/Year)

7. Title and Amount of 8 **Underlying Securities** (Instr. 3 and 4)

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(Instr. 3)	Price of Derivative Security		(Month/Day/Year)	(Instr.		Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)						
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Stock Option (Right to	\$ 5.75	06/13/2016		A		15,000		<u>(1)</u>	06/12/2026	Common Stock	15,000	

Reporting Owners

Reporting Owner Name / Address	Relationships						
Transfer and the same and the s	Director	10% Owner	Officer	Other			
Dreismann Heiner C/O IGNYTA, INC. 11111 FLINTKOTE AVE. SAN DIEGO, CA 92121	X						

Signatures

/s/ Zachary Hornby, Attorney-in-Fact 06/15/2016

**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).

The total number of shares of common stock subject to the option vests on the one-year anniversary of the date of grant (6/13/2017), or (1) the next annual meeting of the stockholders, if earlier, subject to the reporting person's continued service to the Issuer through such vesting date.

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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