Chambers Jason Russell Form 4 January 06, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL

OMB 3235-0287 Number:

Expires:

January 31, 2005

0.5

burden hours per response...

Estimated average

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

obligations

may continue.

See Instruction

Check this box

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Chambers Jason Russell

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

ARRHYTHMIA RESEARCH TECHNOLOGY INC /DE/ [HRT]

(Check all applicable)

(Last) (First) (Middle)

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

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

222 12TH STREET, SUITE 1906 (Street)

01/04/2010 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

Person

ATLANTA, GA 30309

(City) (State) (Zip)

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

1.Title of Security (Instr. 3)

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. 3, 4 and 5) (Instr. 8)

5. Amount of Securities Beneficially Owned Following Reported

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership (I) (Instr. 4) (Instr. 4)

Transaction(s)

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

(A)

or

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

any

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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

5. Number Transaction of Derivative Expiration Date Code Securities

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

7. Title and Amount of Underlying Securities

8. P

Der

Sec

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(Instr. 3)	Price of Derivative Security		(Month/Day/Year)	(Instr. 8)	Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)			(Instr. 3 and 4)		(In	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
stock option	\$ 3.41	01/04/2010		A	7,500		<u>(1)</u>	01/04/2016	common stock	7,500	

Reporting Owners

Reporting Owner Name / Address	Relationships						
1 8	Director	10% Owner	Officer	Other			
Chambers Jason Russell 222 12TH STREET SUITE 1906 ATLANTA, GA 30309	X						

Signatures

/s/ James E. Rouse on behalf of Jason R. Chambers Attorney-in-fact

01/06/2010

**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) The option holder may exercise purchase rights for 1,500 shares on or after 1/4/2011, and 1,500 each on or after anniversary date each year until 7,500 are exercised.
- (2) The consideration for the options is the option holder's future service to the company.

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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