Emma Salvatore Jr Form 3/A April 09, 2013

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

OMB APPROVAL

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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

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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 2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol Person * Statement ARRHYTHMIA RESEARCH TECHNOLOGY INC Emma Salvatore Jr (Month/Day/Year) /DE/ [HRT] 04/01/2013 (Last) (First) (Middle) 4. Relationship of Reporting 5. If Amendment, Date Original Person(s) to Issuer Filed(Month/Day/Year) 25 SAWYER PASSWAY 04/09/2013 (Check all applicable) (Street) 6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Director 10% Owner _X__ Officer _X_ Form filed by One Reporting Other (give title below) (specify below) Person FITCHBURG, MAÂ 01420 Form filed by More than One President and CEO Reporting Person (City) (State) (Zip) **Table I - Non-Derivative Securities Beneficially Owned** 1. Title of Security 2. Amount of Securities 3. 4. Nature of Indirect Beneficial Beneficially Owned Ownership (Instr. 4) Ownership (Instr. 4) Form: (Instr. 5) Direct (D) or Indirect (I) (Instr. 5) Common Stock 20,010 Ι See footnote 1 (1) Reminder: Report on a separate line for each class of securities beneficially SEC 1473 (7-02) owned directly or indirectly. Persons who respond to the collection of

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

information contained in this form are not required to respond unless the form displays a

currently valid OMB control number.

| (Instr. 4) | 2. Date Exerci Expiration Da (Month/Day/Year) | tion Date Securities | | , , | 4. Conversion or Exercise Price of | 5. Ownership Form of Derivative | Ownership |
|------------|---|----------------------|-------|------------------------|------------------------------------|---------------------------------|-----------|
| | | Expiration Date | Title | Amount or Number of | Derivative Security | Security: Direct (D) | , , , |

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| | | | | Shares | | or Indirect (I) (Instr. 5) | |
|--------------|------------|------------|-----------------|--------|---------|----------------------------|---|
| Stock Option | 01/02/2009 | 01/02/2014 | Common Stock | 5,000 | \$ 7.15 | D (2) | Â |
| Stock Option | 01/04/2011 | 01/04/2016 | Common Stock | 5,000 | \$ 3.41 | D (3) | Â |
| Stock Option | 05/19/2012 | 05/19/2021 | Common Stock | 10,000 | \$ 9.86 | D (4) | Â |
| Stock Option | 06/03/2012 | 06/03/2021 | Common Stock | 10,000 | \$ 5.73 | D (5) | Â |
| Stock Option | 04/01/2014 | 04/01/2022 | Common Stock | 15,000 | \$ 2.58 | D (6) | Â |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | | | |
|---|---------------|-----------|-------------------|-------|--|--|
| | Director | 10% Owner | Officer | Other | | |
| Emma Salvatore Jr 25 SAWYER PASSWAY FITCHBURG Â MAÂ 01420 | ÂX | Â | President and CEO | Â | | |

Signatures

| Salvatore Emma Jr. | 04/09/2013 | | |
|-----------------------|------------|--|--|
| **Signature of | 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) SEP/IRA in the name of Salvatore Emma Jr.
- (2) The option holder may exercise purchase rights for 1,000 shares on or after 1/2/2009, and 1,000 each on or after the anniversary date each year until 5,000 are exercised.
- (3) The option holder may exercise purchase rights for 1,000 shares on or after 1/4/2011, and 1,000 each on or after the anniversary date each year until 5,000 are exercised.
- (4) The option holder may exercise purchase rights for 2,000 shares on or after 5/19/2012, and 2,000 each on or after the anniversary date each year until 10,000 are exercised.
- (5) The option holder may exercise purchase rights for 2,000 shares on or after 6/3/2012, and 2,000 each on or after the anniversary date each year until 10,000 are exercised.
- (6) The option holder may exercise purchase rights for 3,000 shares on or after 4/1/2014, and 3,000 each on or after the anniversary date each year until 15,000 are exercised.

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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