

LIKEN JAMES W
Form 4
February 09, 2007

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 *
LIKEN JAMES W

(Last) (First) (Middle)
1010 MURRY RIDGE LANE
(Street)

MURRYSVILLE, PA 15668

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
RESPIRONICS INC [RESP]

3. Date of Earliest Transaction
(Month/Day/Year)
02/08/2007

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)
Vice Chairman

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)
			Code	V	Amount (A) or (D) Price		
Common Stock	02/08/2007		M		33,880 A \$ 16.34	170,962	D
Common Stock	02/08/2007		S		33,880 D \$ 42.505	137,082	D
Common Stock	02/08/2007		M		12,500 A \$ 20.34	149,582	D
Common Stock	02/08/2007		S		12,500 D \$ 42.503	137,082	D
Common Stock	02/08/2007		M		6,500 A \$ 26.77	143,582	D

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Common Stock	02/08/2007	S	6,500	D	\$ 42.51	137,082	D
Common Stock	02/08/2007	M	3,250	A	\$ 38.95	140,332	D
Common Stock	02/08/2007	S	3,250	D	\$ 42.507	137,082	D

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

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(9-02)

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

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)
					(A)	(D)	Date Exercisable	Expiration Date	
Stock Options	\$ 16.34	02/08/2007		M	33,880		08/16/2003	08/16/2012	Common Stock 33,880
Stock Options	\$ 20.34	02/08/2007		M	12,500		08/27/2004	08/27/2013	Common Stock 12,500
Stock Options	\$ 26.77	02/08/2007		M	6,500		08/25/2005	08/25/2014	Common Stock 6,500
Stock Options	\$ 38.95	02/08/2007		M	3,250		08/24/2006	08/24/2015	Common Stock 3,250

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
LIKEN JAMES W 1010 MURRY RIDGE LANE MURRYSVILLE, PA 15668			Vice Chairman	

Signatures

Dorita A. Pishko;
Attorney-in-Fact

02/09/2007

__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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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