Purcell Kevin J Form 3 June 04, 2009

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB APPROVAL

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INITIAL STATEMENT OF 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 2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol Person * Statement AEROSONIC CORP /DE/ [AIM] Purcell Kevin J (Month/Day/Year) 05/26/2009 (Last) (First) (Middle) 4. Relationship of Reporting 5. If Amendment, Date Original Person(s) to Issuer Filed(Month/Day/Year) 12010 TUSCANY BAY DRIVE, (Check all applicable) #202 (Street) 6. Individual or Joint/Group 10% Owner Director _X__ Officer Other Filing(Check Applicable Line) (give title below) (specify below) _X_ Form filed by One Reporting Executive Vice President, CFO Person TAMPA, FLÂ 33626 Form filed by More than One Reporting Person (City) (State) (Zip) Table I - Non-Derivative Securities Beneficially Owned 4. Nature of Indirect Beneficial 1. Title of Security 2. Amount of Securities Beneficially Owned Ownership Ownership (Instr. 4) (Instr. 5) (Instr. 4) Form: Direct (D) or Indirect (I) (Instr. 5) Â 0 Common Stock, par value \$0.40 D 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 information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

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

1. Title of Derivative	2. Date Exercisable and	3. Title and Amount of	4.	5.	6. Nature of Indirect
Security	Expiration Date	Securities Underlying	Conversion	Ownership	Beneficial
(Instr. 4)	(Month/Day/Year)	Derivative Security	or Exercise	Form of	Ownership
		(Instr. 4)	Price of	Derivative	(Instr. 5)
	Date Exercisable	Title	Derivative	Security:	
			Security	Direct (D)	

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		Expiration Date		Amount or Number of Shares		or Indirect (I) (Instr. 5)	
Incentive Stock Option	05/26/2010(1)	05/25/2019	Common Stock, par value \$0.40	25,000	\$ 2.36	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships			
. 0	Director	10% Owner	Officer	Other
Purcell Kevin J 12010 TUSCANY BAY DRIVE, #202 TAMPA Â FLÂ 33626	Â	Â	Executive Vice President, CFO	Â

Signatures

/s/ Kevin J.
Purcell

**Signature of Reporting Person

O6/03/2009

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).
- Options granted under the Aerosonic Corporation 2004 Stock Incentive Plan, as amended and restated, scheduled to vest in three equal installments on the first, second and third anniversaries of the date of grant of May 26, 2009.

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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