Szilagyi Gary Form 4 January 25, 2010

OMB APPROVAL

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16.

Washington, D.C. 20549

January 31, Expires: 2005

Form 4 or

Estimated average burden hours per response...

Form 5 obligations may continue. See Instruction

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

0.5

1(b).

(Print or Type Responses)

C/O ATHEROS

(City)

1. Name and Address of Reporting Person * Szilagyi Gary

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

Symbol

ATHEROS COMMUNICATIONS INC [ATHR]

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction

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

Vice President Sales

(Month/Day/Year) 01/22/2010

below)

COMMUNICATIONS, INC., 5480 GREAT AMERICA PARKWAY

(Street)

(State)

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

SANTA CLARA,, CA 95054

2. Transaction Date 2A. Deemed

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

1.Title of Security (Month/Day/Year) (Instr. 3)

Execution Date, if

(Month/Day/Year)

(Zip)

3. 4. Securities Acquired 5. Amount of Transaction(A) or Disposed of Code (D) (Instr. 8) (Instr. 3, 4 and 5)

6. Ownership 7. Nature of Form: Direct Indirect Securities Beneficially (D) or Beneficial Owned Indirect (I) Ownership Following (Instr. 4) (Instr. 4) Reported

(A)

Transaction(s) (Instr. 3 and 4)

Code V (D) Price Amount

Common 01/22/2010 Stock

36,000 \$0 Α 72,852 (1)

Common Stock

See Ι Footnote 17,652 (2)

D

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

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number.

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

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Titl	le and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	TransactionNumber		Expiration D	ate	Amou	ınt of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	rlying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8) Derivative		;		Secur	ities	(Instr. 5)	Bene
	Derivative				Securities		(Ins				Own
	Security				Acquired						Follo
	·				(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						`
					4, and 5)						
									Amount		
						Exercisable Date	Expiration	on Title	or		
							•		Number		
									of		
				Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Szilagyi Gary C/O ATHEROS COMMUNICATIONS, INC. 5480 GREAT AMERICA PARKWAY SANTA CLARA,, CA 95054

Vice President Sales

Signatures

Bruce P. Johnson, Attorney-in-fact 01/25/2010

**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).
 - On February 6, 2009, the Reporting Person was granted restricted stock units ("RSUs") that would vest subject to the Issuer's satisfaction of certain performance criteria for the fiscal year ended December 31, 2009. The performance criteria for 2009 were met and certified by
- (1) the Compensation Committee of the Issuer's Board of Directors on January 22, 2010, resulting in vesting of the RSUs as follows: The RSUs will vest and be settled in shares of the Issuer's common stock over three (3) years, with the first 1/3 of the RSUs vesting on February 8, 2010 and the remaining RSUs vesting in equal quarterly installments over the following two (2) years.
- (2) By the Szilagyi Family Revocable Trust

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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