HENNESSY JOHN L Form 4 July 14, 2006

Check this box

if no longer

Section 16.

subject to

FORM 4

OMB APPROVAL

UNITED STATES SECURITIES AND EXCHANGE COMMISSION OMB 3235-0287 Number:

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Washington, D.C. 20549

Form 4 or 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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * HENNESSY JOHN L

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

ATHEROS COMMUNICATIONS

(Check all applicable)

INC [ATHR]

3. Date of Earliest Transaction

_X__ Director 10% Owner Officer (give title __ Other (specify

(Month/Day/Year)

07/13/2006

C/O ATHEROS

(Last)

COMMUNICATIONS, INC., 5480 GREAT AMERICA PARKWAY

(First)

(Middle)

(Street) 4. If Amendment, Date Original

Applicable Line)

Filed(Month/Day/Year)

X Form filed by One Reporting Person Form filed by More than One Reporting

6. Individual or Joint/Group Filing(Check

Person

SANTA CLARA,, CA 95054

(City)	(State) ((Zip) 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. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8) (A) or		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 Indirect Beneficial Ownership (Instr. 4)			
Common Stock	07/13/2006		Code V $S_{\underline{(1)}}$	Amount 100	(D)	Price \$ 16.6	,	I	By Son	
Common Stock	07/13/2006		S <u>(1)</u>	59	D	\$ 16.51	1,663	I	By Son	
Common Stock	07/13/2006		S <u>(1)</u>	50	D	\$ 16.4	1,613	I	By Son	
Common Stock	07/13/2006		S(1)	50	D	\$ 16.36	1,563	I	By Son	
	07/13/2006		S(1)	75	D	\$ 17.6	3,050	I		

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Common Stock								By Trust
Common Stock	07/13/2006	S <u>(1)</u>	67	D	\$ 17.54	2,983	I	By Trust
Common Stock	07/13/2006	S <u>(1)</u>	50	D	\$ 17.46	2,933	I	By Trust
Common Stock	07/13/2006	S <u>(1)</u>	100	D	\$ 17.41	2,833	I	By Trust
Common Stock	07/13/2006	S(1)	30	D	\$ 17.38	2,803	I	By Trust
Common Stock	07/13/2006	S <u>(1)</u>	40	D	\$ 17.37	2,763	I	By Trust
Common Stock	07/13/2006	S <u>(1)</u>	50	D	\$ 17.15	2,713	I	By Trust
Common Stock	07/13/2006	S <u>(1)</u>	100	D	\$ 17.09	2,613	I	By Trust
Common Stock	07/13/2006	S <u>(1)</u>	100	D	\$ 17.05	2,513	I	By Trust
Common Stock	07/13/2006	S <u>(1)</u>	40	D	\$ 17.02	2,473	I	By Trust
Common Stock	07/13/2006	S <u>(1)</u>	86	D	\$ 17.01	2,387	I	By Trust
Common Stock	07/13/2006	S <u>(1)</u>	150	D	\$ 16.98	2,237	I	By Trust
Common Stock	07/13/2006	S <u>(1)</u>	90	D	\$ 16.95	2,147	I	By Trust
Common Stock	07/13/2006	S(1)	80	D	\$ 16.93	2,067	I	By Trust
Common Stock	07/13/2006	S <u>(1)</u>	60	D	\$ 16.84	2,007	I	By Trust
Common Stock	07/13/2006	S <u>(1)</u>	125	D	\$ 16.83	1,882	I	By Trust
Common Stock	07/13/2006	S <u>(1)</u>	100	D	\$ 16.82	1,782	I	By Trust
Common Stock	07/13/2006	S <u>(1)</u>	41	D	\$ 16.79	1,741	I	By Trust
Common Stock	07/13/2006	S <u>(1)</u>	45	D	\$ 16.57	1,696	I	By Trust
Common Stock	07/13/2006	S <u>(1)</u>	30	D	\$ 16.51	1,666	I	by Trust
	07/13/2006	S(1)	54	D	\$ 16.5	1,612	I	

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Common Stock								By Trust
Common Stock	07/13/2006	S <u>(1)</u>	50	D	\$ 16.36	1,562	I	By Trust
Common Stock	07/13/2006	S <u>(1)</u>	80	D	\$ 17.6	3,045	I	By Trust
Common Stock	07/13/2006	S <u>(1)</u>	100	D	\$ 17.55	2,945	I	By Trust
Common Stock	07/13/2006	S <u>(1)</u>	99	D	\$ 17.38	2,846	I	By Trust
Common Stock	07/13/2006	S <u>(1)</u>	25	D	\$ 17.34	2,821	I	By Trust

Reminder: Report on a separate line for each class of securities beneficially 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.

SEC 1474 (9-02)

> 9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr

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. Transactic Code (Instr. 8)	5. orNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		ate	7. Titl Amou Under Securi (Instr.	nt of lying	8. Price of Derivative Security (Instr. 5)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Relationships

Reporting Owners

SANTA CLARA,, CA 95054

Reporting Owner Name / Address		•			
	Director	10% Owner	Officer	Other	
HENNESSY JOHN L					
C/O ATHEROS COMMUNICATIONS, INC.	v				
5480 GREAT AMERICA PARKWAY	Λ				

Reporting Owners 3

Signatures

Bruce P. Johnson, Attorney-in-fact 07/14/2006

**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 sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan.
 - These shares are held in trust for the benefit of the reporting person's son. The reporting person's sister-in-law is the trustee of the trust.
- (2) The reporting person disclaims beneficial ownership of these securities, and the filing of this report is not an admission that the reporting person is the beneficial owner of these securities for purposes of Section 16 or for any other purpose.

Remarks:

Remarks: Form 4 Filing 4 of 5 (continuation report): Related transactions effected by the Reporting Person on July 13, 2006

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.

Signatures 4