Naskar Ben D Form 4 May 03, 2010

FORM 4

OMB APPROVAL

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

OMB 3235-0287 Number:

Check this box if no longer subject to

Washington, D.C. 20549

January 31, Expires: 2005

Section 16. Form 4 or Form 5

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

Estimated average burden hours per response... 0.5

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).

(Last)

Stock

(Print or Type Responses)

1. Name and Address of Reporting Person * Naskar Ben D

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

(Middle)

Symbol ATHEROS COMMUNICATIONS

(Check all applicable)

INC [ATHR]

Director 10% Owner Other (specify

Vice President & GM

3. Date of Earliest Transaction (Month/Day/Year) 05/03/2010

X_ Officer (give title below)

C/O ATHEROS COMMUNICATIONS, INC., 5480

(First)

GREAT AMERICA PARKWAY

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

(City) (State) (Zip)

05/03/2010

(Street)

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

1.Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3) (Month/Day/Year) 3. Transaction(A) or Disposed of Code (D) (Instr. 8) (Instr. 3, 4 and 5)

4. Securities Acquired 5. Amount of 6. Ownership 7. Nature of Form: Direct Indirect Securities Beneficially (D) or Beneficial Owned Indirect (I) Ownership Following (Instr. 4) (Instr. 4) Reported

(A) Price Amount (D)

Transaction(s) (Instr. 3 and 4)

Common

\$ $S^{(1)}$ 2,500 D 39.4 81,252

D (2)

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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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 |
|-------------|-------------|---------------------|--------------------|------------------------------------------------------------------------|------------|-------------------------------------|-------------|------------|--------------|-------------|---|
| Derivative | Conversion | (Month/Day/Year) | Execution Date, if | on Date, if TransactionNumber Expiration Date Code of (Month/Day/Year) | | Expiration Date Amou | | int of | Derivative | J | |
| Security | or Exercise | | any | | | Year) | Underlying | | Security | , | |
| (Instr. 3) | Price of | | (Month/Day/Year) | (Instr. 8) | Derivative | e | | Securities | | (Instr. 5) |] |
| | Derivative | | | Securities Acquired | | | (Instr | | 3 and 4) | | (|
| | Security | | | | | | | | | | J |
| | - | | | | (A) or | | | | | | J |
| | | | | | Disposed | | | | | | - |
| | | | | of (D) (Instr. 3, | | | | | | | (|
| | | | | | | | | | | | |
| | | | | | 4, and 5) | | | | | | |
| | | | | | | | | | Amount | | |
| | | | | | | | | | Amount | | |
| | | | | | | Date Expiration Exercisable Date | Expiration | Title | or Number | | |
| | | | | | | | | of | | | |
| | | | | C-1- 1 | 7 (A) (D) | | | | | | |
| | | | | Code V | (A) (D) | | | | Shares | | |

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Naskar Ben D C/O ATHEROS COMMUNICATIONS, INC. 5480 GREAT AMERICA PARKWAY SANTA CLARA,, CA 95054

Vice President & GM

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

Signatures

Bruce P. Johnson, Attorney-in-fact 05/03/2010

**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).
- (1) The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan.
 - Represents the weighted average sales price for a number of sale transactions effected at prices ranging from \$39.18 to \$39.43 . The
- (2) Reporting Person has provided to the issuer, and undertakes to provide upon request by the SEC staff, or any security holder of the issuer, information regarding the number of shares sold at each separate price within the range.

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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