SELAWSKI MARK Form 4

September 01, 2010

Check this box

if no longer

subject to

Section 16.

Form 4 or

Form 5

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Last)

(Print or Type Responses)

1. Name and Address of Reporting Person * SELAWSKI MARK

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

AtheroNova Inc. [AHRO.OB]

(Middle)

(Month/Day/Year)

3. Date of Earliest Transaction

08/30/2010

Director 10% Owner Other (specify

6. Individual or Joint/Group Filing(Check

(Instr. 4)

(Check all applicable)

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

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burden hours per

X_ Officer (give title below) below) CFO & Secretary

DUPONT DRIVE, SUITE 525 (Street)

(First)

C/O ATHERONOVA INC., 2301

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 Person

IRVINE, CA 92612

(City) (State) (Zip)

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

1.Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) (Instr. 3)

3. 4. Securities Execution Date, if TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Month/Day/Year) (Instr. 8)

5. Amount of Securities Beneficially Owned Following Reported

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership (T)

(Instr. 4)

(A)

Transaction(s) (Instr. 3 and 4)

Code V Amount (D) Price

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

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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 3. Transaction Date 3A. Deemed 4.

Derivative Conversion Security or Exercise

(Month/Day/Year) Execution Date, if

any

5. Number of **Transaction**Derivative Code Securities

6. Date Exercisable and **Expiration Date** (Month/Day/Year)

7. Title and Amount of **Underlying Securities** (Instr. 3 and 4)

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(Instr. 3)	Price of Derivative Security	,	(Month/Day/Year)	(Instr.	8)	Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)					
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount o Number o Shares
Option to Purchase Common Stock	\$ 1.11	08/30/2010		A		250,000		<u>(1)</u>	08/30/2017	Common Stock	250,000

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

SELAWSKI MARK C/O ATHERONOVA INC. 2301 DUPONT DRIVE, SUITE 525 IRVINE, CA 92612

CFO & Secretary

Signatures

/s/ Mark Selawski 09/01/2010

**Signature of Date
Reporting Person

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) Option vests 25% on the first anniversary of the date of grant and 6.25% per quarter thereafter until fully vested.

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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