

RATOFF STEVEN B  
Form 4  
August 25, 2006

**FORM 4**

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

Check this box  
if no longer  
subject to  
Section 16.  
Form 4 or  
Form 5  
obligations  
may continue.  
*See* Instruction  
1(b).

**STATEMENT OF CHANGES IN 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

## OMB APPROVAL

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response... 0.5

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
RATOFF STEVEN B

(Last) (First) (Middle)

C/O AXONYX INC, 500 SEVENTH  
AVENUE, 10TH FLOOR

(Street)

NEW YORK, NY 10018

(City) (State) (Zip)

2. Issuer Name **and** Ticker or Trading  
Symbol  
AXONYX INC [AXYX]

3. Date of Earliest Transaction  
(Month/Day/Year)  
08/23/2006

4. If Amendment, Date Original  
Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to  
Issuer

(Check all applicable)

☒ Director ☐ 10% Owner  
☐ Officer (give title below) ☐ Other (specify  
below)

6. Individual or Joint/Group Filing(Check  
Applicable Line)  
☒ Form filed by One Reporting Person  
☐ Form filed by More than One Reporting  
Person

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

| 1. Title of<br>Security<br>(Instr. 3) | 2. Transaction Date<br>(Month/Day/Year) | 2A. Deemed<br>Execution Date, if<br>any<br>(Month/Day/Year) | 3. Transaction<br>Code<br>(Instr. 8) | 4. Securities<br>Acquired (A) or<br>Disposed of (D)<br>(Instr. 3, 4 and 5) | 5. Amount of<br>Securities<br>Beneficially<br>Owned<br>Following<br>Reported<br>Transaction(s)<br>(Instr. 3 and 4) | 6. Ownership<br>Form: Direct<br>(D) or Indirect<br>(I)<br>(Instr. 4) | 7. Nature of<br>Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |
|---------------------------------------|-----------------------------------------|-------------------------------------------------------------|--------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------|
|                                       |                                         |                                                             |                                      | (A)<br>or<br>(D)                                                           |                                                                                                                    |                                                                      |                                                                   |
|                                       |                                         |                                                             | 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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SEC 1474  
(9-02)

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

| 1. Title of<br>Derivative<br>Security | 2. Conversion<br>or Exercise | 3. Transaction Date<br>(Month/Day/Year) | 3A. Deemed<br>Execution Date, if<br>any | 4. Transaction<br>Code | 5. Number of<br>Derivative<br>Securities | 6. Date Exercisable and<br>Expiration Date<br>(Month/Day/Year) | 7. Title and Amount<br>of Underlying<br>Securities | 8. D |
|---------------------------------------|------------------------------|-----------------------------------------|-----------------------------------------|------------------------|------------------------------------------|----------------------------------------------------------------|----------------------------------------------------|------|
|                                       |                              |                                         |                                         |                        |                                          |                                                                |                                                    |      |

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| (Instr. 3)       | Price of<br>Derivative<br>Security | (Month/Day/Year) | (Instr. 8) | Acquired (A)<br>or Disposed of<br>(D)<br>(Instr. 3, 4,<br>and 5) |        |     |                     | (Instr. 3 and 4)   |                 | (Instr. 5)                          |
|------------------|------------------------------------|------------------|------------|------------------------------------------------------------------|--------|-----|---------------------|--------------------|-----------------|-------------------------------------|
|                  |                                    |                  | Code       | V                                                                | (A)    | (D) | Date<br>Exercisable | Expiration<br>Date | Title           | Amount<br>or<br>Number<br>of Shares |
| stock<br>options | \$ 0.86                            | 08/23/2006       | A          |                                                                  | 32,700 |     | <u>(1)</u>          | 08/22/2016         | common<br>stock | 32,700                              |
| stock<br>options | \$ 0.86                            | 08/23/2006       | A          |                                                                  | 16,500 |     | <u>(2)</u>          | 08/22/2016         | common<br>stock | 16,500                              |

## Reporting Owners

| Reporting Owner Name / Address                                                            | Relationships                    |
|-------------------------------------------------------------------------------------------|----------------------------------|
|                                                                                           | Director 10% Owner Officer Other |
| RATOFF STEVEN B<br>C/O AXONYX INC<br>500 SEVENTH AVENUE, 10TH FLOOR<br>NEW YORK, NY 10018 | X                                |

## Signatures

Steven B. Ratoff 08/25/2006

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) 25% of the options are currently exercisable; an additional 25% become exercisable on each of 10/1/06, 1/1/07 and 4/1/07.

(2) 50% of the options become exercisable on 12/31/06, and the remaining 50% become exercisable on 12/31/07.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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