

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

| OMB APPROVAL | |
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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

| | | | |
|---|---|--|---|
| 1. Name and Address of Reporting Person* <u>Naukam Andrew J</u> (Last) (First) (Middle) 2000 TECHNOLOGY PARKWAY (Street) NEWARK NY 14513 (City) (State) (Zip) | 2. Date of Event Requiring Statement (Month/Day/Year) 06/08/2006 | 3. Issuer Name and Ticker or Trading Symbol <u>ULTRALIFE BATTERIES INC [ULBI]</u> | |
| | | 4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) Vice President of Quality | 5. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person |

Table I - Non-Derivative Securities Beneficially Owned

| 1. Title of Security (Instr. 4) | 2. Amount of Securities Beneficially Owned (Instr. 4) | 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 4. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---------------------------------|---|--|---|
|---------------------------------|---|--|---|

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

| 1. Title of Derivative Security (Instr. 4) | 2. Date Exercisable and Expiration Date (Month/Day/Year) | | 3. Title and Amount of Securities Underlying Derivative Security (Instr. 4) | 4. Conversion or Exercise Price of Derivative Security | 5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|--|--|-----------------|---|--|--|---|
| | Date Exercisable | Expiration Date | | | | |
| Common Stock (Right to Buy) | (1) | 03/19/2007 | Commonn Stock, \$.10 par value | 3,000 | 6.0938 | D |
| Common Stock (Right to Buy) | (2) | 04/10/2008 | Commonn Stock, \$.10 par value | 4,000 | 3.39 | D |
| Common Stock (Right to Buy) | (3) | 04/03/2009 | Commonn Stock, \$.10 par value | 6,000 | 4.15 | D |
| Common Stock (Right to Buy) | 12/28/2005 | 12/07/2011 | Commonn Stock, \$.10 par value | 7,500 | 15.05 | D |

Explanation of Responses:

- This option vests as follows: 1,000 shares on 3/19/04; and 1,000 shares on 3/19/05; 1,000 shares on 3/19/06
- This option vests as follows: 2,000 shares on 4/10/06; and 2,000 shares on 4/10/07
- This option vests as follows: 1,200 shares on 4/3/04; 1,200 shares on 4/3/05; 1,200 shares on 4/3/06; 1,200 shares on 4/3/07 and 1,200 shares on 4/3/08

Remarks:

/s/Robert W. Fishback,
attorney-in-fact for Andrew J. Naukam 06/12/2006

** Signature of Reporting Person Date

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

* If the form is filed by more than one reporting person, see Instruction 5 (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).

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

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 Number.