Sterling Robert Form 4 January 05, 2007

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

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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

(Print or Type Responses)

1(b).

1. Name and Address of Reporting Person * Sterling Robert

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

below)

(Last)

(First) (Middle)

BIOENVISION INC [BIVN] 3. Date of Earliest Transaction

Director X_ Officer (give title

10% Owner Other (specify

C/O BIOENVISION, INC., 345 PARK AVE., 41ST. FLOOR

4. If Amendment, Date Original

VP Product Development 6. Individual or Joint/Group Filing(Check

(Check all applicable)

below)

Applicable Line)

Filed(Month/Day/Year)

(Month/Day/Year)

01/03/2007

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

Person

NEW YORK,, NY 10154

(City) (State) (Zip)

(Street)

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

1. Title of Security (Instr. 3)

(Month/Day/Year)

2. Transaction Date 2A. Deemed Execution Date, if

(Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Instr. 8)

5. Amount of Securities Beneficially Owned Following

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership (I) (Instr. 4) (Instr. 4)

Reported 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.

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.

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

1. Title of Derivative Security

Conversion or Exercise

3. Transaction Date 3A. Deemed (Month/Day/Year) Execution Date, if

any

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

(A)

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

7. Title and Amount of Underlying Securities

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(Instr. 3) Price of (Month/Day/Year) (Instr. 8) Acquired (A) (Instr. 3 and 4) Derivative or Disposed of Security (D) (Instr. 3, 4, and 5) Code V (A) (D) Date Expiration Title Amount Exercisable Date or Number of Shares Option to purchase (1) \$ 4.6 01/03/2007 A 20,000 01/03/2017 common 20,000 Common Stock

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Sterling Robert C/O BIOENVISION, INC. 345 PARK AVE., 41ST. FLOOR NEW YORK,, NY 10154

VP Product Development

Signatures

/s/ Robert 01/05/2007 Sterling

**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) 25% vest on 1/3/2007; 25% vest on 1/3/2008; 25% vest on 1/3/2009 and 25% vest on 1/3/2010.
- (2) Granted by the compensation committee pursuant to the Company's 2003 Stock Incentive Plan.

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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