

Staples Edward  
Form 4  
January 18, 2007

**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

OMB  
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(Print or Type Responses)

1. Name and Address of Reporting Person \*  
Staples Edward

2. Issuer Name **and** Ticker or Trading  
Symbol  
Electronic Sensor Technology, Inc  
[ESNR]

5. Relationship of Reporting Person(s) to  
Issuer

(Check all applicable)

(Last) (First) (Middle)  
1077 BUSINESS CENTER CIRCLE  
(Street)

3. Date of Earliest Transaction  
(Month/Day/Year)  
01/16/2007

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

NEWBURY PARK, CA 91320

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

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

(City) (State) (Zip)

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

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
				(A) or (D)			
				Code V Amount (D) Price			
Common Stock					3,768,836	D	

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

**Persons who respond to the collection of  
information contained in this form are not  
required to respond unless the form  
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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)

## Edgar Filing: Staples Edward - Form 4

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)			
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (right to buy)	\$ 0.24	01/16/2007		A		50,000		<u>(2)</u>	01/16/2017	Common Stock	50,000
Stock Option (right to buy)	\$ 1							02/01/2005	02/01/2015	Common Stock	100,000
Warrant (right to buy)	\$ 1 <u>(1)</u>							02/01/2005	02/01/2010	Common Stock	343,689

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Staples Edward 1077 BUSINESS CENTER CIRCLE NEWBURY PARK, CA 91320	X		Chief Scientific Officer	

## Signatures

/s/ Philip Yee, as Attorney-in-Fact for Edward  
Staples

01/18/2007

          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) Such warrant is only exercisable if the trading price of the Common Stock of the issuer is at least \$1.50 per share.
- (2) The options granted to Dr. Staples will vest as follows: one quarter of the option shares will vest on January 16, 2008, one quarter on January 16, 2009, one quarter on January 16, 2010 and one quarter on January 16, 2011.

### Remarks:

Exhibit 24 - Power of Attorney (incorporated by reference from Form 3 filed on December 29, 2006)

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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