GROSS THOMAS

Form 4

February 24, 2011

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

OMB APPROVAL

Number:

3235-0287

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Check this box

Form 5 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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * **GROSS THOMAS**

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

(Check all applicable)

VC & COO - Electrical Sector

below)

Issuer

(Last)

(City)

Common

(First)

(Middle)

(Zip)

3. Date of Earliest Transaction

EATON CORP [ETN]

(Month/Day/Year)

Filed(Month/Day/Year)

Director 10% Owner X_ Officer (give title Other (specify

below)

EATON CENTER, 1111 SUPERIOR 02/22/2011 **AVENUE**

(Street)

(State)

4. If Amendment, Date Original

3.

6. Individual or Joint/Group Filing(Check

Applicable Line)

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

CLEVELAND, OH 44114

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

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

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

5. Amount of 6. Ownership 7. Nature of Securities Form: Direct Indirect Beneficially (D) or Beneficial Indirect (I) Ownership Owned Following (Instr. 4) (Instr. 4)

Reported (A) Transaction(s) (Instr. 3 and 4)

Code V Amount (D) Price

4. Securities

2,000

02/22/2011 A A \$0 29,996 D (1) Shares

Common by trustee I 1,645.733 Shares of ESP

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 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. Transactic Code (Instr. 8)	5. Number of orDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and A Underlying S (Instr. 3 and	Securities
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Restricted Stock Units	\$ 0	02/22/2011		A	5,500 (2)	(3)	(3)	Common Shares	5,500
Stock Option	\$ 107.42	02/22/2011		A	22,000 (4)	02/22/2012	02/22/2021	Common Shares	22,000

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

GROSS THOMAS EATON CENTER 1111 SUPERIOR AVENUE CLEVELAND, OH 44114

VC & COO - Electrical Sector

Signatures

/s/Kathleen S. O'Connor, as Attorney-in-Fact 02/24/2011

**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) These shares represent restricted shares issued under an Eaton Corporation stock plan and are subject to risk of forfeiture.
- (2) These restricted stock units vest in four equal annual installments beginning on the first anniversary of the date of grant.
- (3) This field is not applicable.
- (4) Thirty-three percent (33%) of these options become exercisable on the first and second anniversaries of the date granted and thirty-four percent (34%) on the third anniversary of the date granted.

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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