

GROSS THOMAS  
Form 4  
March 22, 2010

**FORM 4**

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

OMB APPROVAL

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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

(Print or Type Responses)

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

2. Issuer Name and Ticker or Trading Symbol  
**EATON CORP [ETN]**

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)  
**EATON CENTER, 1111 SUPERIOR AVENUE**

3. Date of Earliest Transaction (Month/Day/Year)  
**03/18/2010**

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)

VC & COO - Electrical Sector

(Street)  
**CLEVELAND, OH 44114**

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

**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)
Common Shares	03/18/2010		M	(A) 3,260.518 (1)	A (2) 48,115.518	D	
Common Shares	03/18/2010		F	(D) 1,221 (3)	\$ 73.94 46,894 (4)	D	
Common Shares					1,510.552 (5)	I	by trustee of ESP

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

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SEC 1474 (9-02)

number.

**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. 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
Phantom Shares	(2)	03/18/2010		M	3,260,518 (6)	(7)	(7)	Common Shares	3,260.518

## 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

03/22/2010

\_\_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 common shares were acquired upon settlement of certain Phantom Share Units. Such Phantom Share Units were held by the reporting person in an account maintained under one or more of the issuer's deferred compensation plans.
- (2) Each Phantom Share Unit is the economic equivalent of one common share of the issuer.
- (3) These shares were delivered to the issuer to pay for the applicable withholding tax in connection with the settlement of certain Phantom Share Units.
- (4) Aggregate holdings have been adjusted to reflect the cash-out of fractional shares in connection with the settlement of certain Phantom Share Units.
- (5) These shares are held in the Eaton Savings Plan.
- (6) These Phantom Share Units were surrendered in settlement for common shares of the issuer.
- (7) This field is not applicable.

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.