EATON CORP Form 4 January 16, 2007

FORM 4

OMB APPROVAL

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

OMB Number:

January 31, Expires: 2005

3235-0287

if no longer STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF subject to **SECURITIES** Section 16.

Estimated average burden hours per 0.5 response...

Form 4 or Form 5 obligations may continue. See Instruction

Check this box

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 * BUENTE STEPHEN M			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)	3. Date of Earliest Transaction	(Check an applicable)		
			(Month/Day/Year)	Director 10% Owner		
EATON CE AVE.	NTER, 111	1 SUPERIOR	01/11/2007	X Officer (give title Other (specify below) Sr VP and President-Automotive		
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
			Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person		
CLEVELAN	VD, OH 441	14		Form filed by More than One Reporting		

(City)	(State)	(Zip) Tabl	le I - Non-D	erivative S	Securi	ties Acqu	ired, Disposed of	, or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	Transaction Date 2A. Deemed			3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)			6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common			Code V	Amount	or (D)	Price	Transaction(s) (Instr. 3 and 4)		
Shares	01/11/2007		M <u>(1)</u>	33,636	A	30.91	74,974 (2)	D	
Common Shares	01/11/2007		S(3)	100	D	\$ 74.34	74,874 (2)	D	
Common Shares	01/11/2007		S(3)	100	D	\$ 74.29	74,774 (2)	D	
Common Shares	01/11/2007		S(3)	100	D	\$ 74.28	74,674 (2)	D	
Common Shares	01/11/2007		S(3)	100	D	\$ 74.23	74,574 (2)	D	

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Common Shares	01/11/2007	S(3)	100	D	\$ 74.22	74,474 (2)	D
Common Shares	01/11/2007	S(3)	100	D	\$ 74.2	74,374 (2)	D
Common Shares	01/11/2007	S(3)	200	D	\$ 74.19	74,174 (2)	D
Common Shares	01/11/2007	S(3)	100	D	\$ 74.18	74,074 (2)	D
Common Shares	01/11/2007	S(3)	200	D	\$ 74.16	73,874 (2)	D
Common Shares	01/11/2007	S(3)	200	D	\$ 74.15	73,674 (2)	D
Common Shares	01/11/2007	S(3)	400	D	\$ 74.14	73,274 (2)	D
Common Shares	01/11/2007	S(3)	100	D	\$ 74.13	73,174 (2)	D
Common Shares	01/11/2007	S(3)	700	D	\$ 74.12	72,474 (2)	D
Common Shares	01/11/2007	S(3)	300	D	\$ 74.11	72,174 (2)	D
Common Shares	01/11/2007	S(3)	100	D	\$ 74.1	72,074 (2)	D
Common Shares	01/11/2007	S(3)	700	D	\$ 74.09	71,374 (2)	D
Common Shares	01/11/2007	S(3)	436	D	\$ 74.08	70,938 (2)	D
Common Shares	01/11/2007	S(3)	1,000	D	\$ 74.07	69,938 (2)	D
Common Shares	01/11/2007	S(3)	400	D	\$ 74.06	69,538 (2)	D
Common Shares	01/11/2007	S(3)	200	D	\$ 74.05	69,338 (2)	D
Common Shares	01/11/2007	S(3)	600	D	\$ 74.04	68,738 (2)	D
Common Shares	01/11/2007	S(3)	100	D	\$ 74.03	68,638 <u>(2)</u>	D
Common Shares	01/11/2007	S(3)	200	D	\$ 74.02	68,438 <u>(2)</u>	D
Common Shares	01/11/2007	S(3)	500	D	\$ 74.01	67,938 (2)	D
	01/11/2007	S(3)	600	D	\$ 74	67,338 (2)	D

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Common Shares							
Common Shares	01/11/2007	S(3)	800	D	\$ 73.99	66,538 (2)	D
Common Shares	01/11/2007	S(3)	900	D	\$ 73.98	65,638 (2)	D
Common Shares	01/11/2007	S(3)	600	D	\$ 73.97	65,038 (2)	D
Common Shares	01/11/2007	S(3)	800	D	\$ 73.96	64,238 (2)	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 displays a currently valid OMB control number.

SEC 1474

(9-02)

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

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5. Number of	6. Date Exercisab	ole and	7. Title and A	Amount o
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	TransactionDerivative		Expiration Date		Underlying Securities	
Security	or Exercise		any	Code	Securities	(Month/Day/Year	r)	(Instr. 3 and	4)
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Acquired (A)				
	Derivative				or Disposed of				
	Security				(D)				
					(Instr. 3, 4,				
					and 5)				
						Date Exercisable	Expiration Date	Title	Amoun or Number
				Code V	(A) (D)		Bute		of Share
Stock Option	\$ 30.91	01/11/2007	<u>(4)</u>	M(1)	33,636	07/21/1997(5)	01/21/2007	Common Shares	33,63

Reporting Owners

Reporting Owner Name / Address	Relationships					
1	Director	10% Owner	Officer	Other		
BUENTE STEPHEN M						
EATON CENTER			Sr VP and President-Automotive			
1111 SUPERIOR AVE.			Si ve and President-Automotive			
CLEVELAND, OH 44114						

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Signatures

/s/ Sean T. Peppard as attorney-in-fact

01/16/2007

**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) The exercise of options reported in this Form 4 were effected pursuant to a Rule 105b-1 trading plan adopted by the reporting person on June 12, 2006.
- (2) Certain of these shares represent restricted shares issued under an Eaton Corporation stock plan and are subject to risk of forfeiture.
- (3) The sale of shares reported in this Form 4 were effected pursuant to a Rule 105b-1 trading plan adopted by the reporting person on June 12, 2006.
- (4) This field is not applicable.
- (5) 1997 Performance Options 50% of these options vested when a market price goal for Eaton shares was met. The remaining 50% vested on January 11, 2007 (10 days before the expiration of their ten-year term).

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.

Signatures 4