

PETERS CHARLES A
 Form 4
 October 04, 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 *
 PETERS CHARLES A

(Last) (First) (Middle)

C/O EMERSON ELECTRIC CO., 8000 W. FLORISSANT

(Street)

ST. LOUIS, MO 63136

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
 EMERSON ELECTRIC CO [EMR]

3. Date of Earliest Transaction (Month/Day/Year)
 09/30/2010

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director 10% Owner
 Officer (give title below) Other (specify below)
 Sr. Exec. V.P.

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)
			Code	V	Amount or Price		
Common Stock	09/30/2010		M ⁽¹⁾		60,000 (1)	A	\$ 33.4063 461,460 D
Common Stock	09/30/2010		F ⁽²⁾		9,388 (2)	D	\$ 52.91 452,072 D
Common Stock	09/30/2010		M ⁽³⁾		100,000 (3)	A	\$ 26.415 552,072 D
Common Stock	09/30/2010		F ⁽²⁾		20,452 (2)	D	\$ 52.91 531,620 D
Common Stock							7,100.008 I 401(k) plan

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) Exercise of 60,000 non-qualified stock options exempt under Rule 16b-3.
- (2) Shares withheld for taxes exempt under Rule 16b-3 resulting from non-qualified stock option exercise.
- (3) Exercise of 3,784 incentive stock options and 96,216 non-qualified stock options exempt under Rule 16b-3.
- (4) The options vested in three equal annual installments beginning on the date indicated.
- (5) Price is not applicable to stock options received as incentive compensation.

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.