

PETERS CHARLES A  
Form 4  
February 11, 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)  
02/09/2010

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) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|---|
| Common Stock                    | 02/09/2010                           |  | M <sup>(1)</sup>               | A   | 30,000<br>(1)<br>\$ 21.2813   | D  |   |
| Common Stock                    | 02/09/2010                           |  | F <sup>(2)</sup>               | D   | 4,406<br>(2)<br>\$ 45.33  | D  |   |
| Common Stock                    |                                      |  |                                |   | 6,999.707   | I  | 401(k) plan   |
| Common Stock                    |                                      |  |                                |   | 8,108.858   | I  | 401(k) excess plan                                    |

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

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(9-02)

**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 Security (Instr. 3 and 4) | Amount or Number of Shares |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|----------------------------|
| Employee stock option (right to buy)       | \$ 21.2813   | 02/09/2010                           |  | M <sup>(1)</sup>               | 30,000 <sup>(1)</sup>   | 10/06/2001 <sup>(3)</sup> 03/06/2010                     | Common Stock  | 30,000                     |

## Reporting Owners

| Reporting Owner Name / Address  | Relationships |           |                |       |
|---|---------------|-----------|----------------|-------|
|   | Director      | 10% Owner | Officer        | Other |
| PETERS CHARLES A<br>C/O EMERSON ELECTRIC CO.<br>8000 W. FLORISSANT<br>ST. LOUIS, MO 63136 | X             |           | Sr. Exec. V.P. |       |

## Signatures

/s/ Charles A. Peters  
Date: 02/11/2010

\*\*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) Exercise of 4,698 incentive stock options and 25,302 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) The options vested in three equal annual installments beginning on the date indicated.
- (4) 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.

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