FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL

OMB Number: 3235-0287 Estimated average burden hours per response: 0.5

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address			2. Issuer Name and Ticker or Trading Symbol <u>EMERSON ELECTRIC CO</u> [EMR]		ionship of Reporting Person(s all applicable)) to Issuer
PETERS CHA	<u>KLES A</u>		[]	X	Director	10% Owner
(Last)	(First)	(Middle)		X	Officer (give title below)	Other (specify below)
C/O EMERSON E 8000 W. FLORISS	LECTRIC CO.	(modo)	3. Date of Earliest Transaction (Month/Day/Year) 02/09/2010		Sr. Exec. V.F	<u>.</u>
(Street) ST. LOUIS	МО	63136	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indivi X	dual or Joint/Group Filing (Che Form filed by One Reporting Form filed by More than On	g Person
(City)	(State)	(Zip)				

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. Transad Code (I 8)		4. Securities Ac Of (D) (Instr. 3,) or Disposed	5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	v	Amount	(A) or (D)	Price	(Instr. 3 and 4)		
Common Stock	02/09/2010		M ⁽¹⁾		30,000 ⁽¹⁾	Α	\$21.2813	405,866	D	
Common Stock	02/09/2010		F ⁽²⁾		4,406 ⁽²⁾	D	\$45.33	401,460	D	
Common Stock								6,999.707	Ι	401(k) plan
Common Stock								8,108.858	Ι	401(k) excess plan

 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. Transac Code (In 8)		5. Numbe Derivative Securities Acquired Disposed (Instr. 3, 4 5)	(A) or of (D)	6. Date Exerci Expiration Dat (Month/Day/Ye	e	7. Title and Am Securities Und Derivative Sec 3 and 4)	lerlying	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		(Instr. 4)		
Employee stock option (right to buy)	\$21.2813	02/09/2010		M ⁽¹⁾		30,000 ⁽¹⁾		10/06/2001 ⁽³⁾	03/06/2010	Common Stock	30,000	(4)	0	D	

Explanation of Responses:

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.

Remarks:

′s/	C	harle	<u>s A.</u>	Peter

** Signature of Reporting Person

02/11/2010 Date

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

* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.