HOU HONG Q Form 3

December 27, 2006

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB APPROVAL

OMB Number:

3235-0104

Expires:

response...

January 31, 2005

0.5

Estimated average burden hours per

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

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF

SECURITIES

30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting 2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol Person * Statement EMCORE CORP [EMKR] HOU HONG Q (Month/Day/Year) 12/14/2006 (Last) (First) (Middle) 4. Relationship of Reporting 5. If Amendment, Date Original Person(s) to Issuer Filed(Month/Day/Year) 2015 W. CHESTNUT ST. (Check all applicable) (Street) 6. Individual or Joint/Group Filing(Check Applicable Line) 10% Owner _X_ Director _X_ Form filed by One Reporting _X_ Officer Other Person ALHAMBRA, CAÂ 91803 (give title below) (specify below) Form filed by More than One President and COO Reporting Person (City) (State) (Zip) Table I - Non-Derivative Securities Beneficially Owned 2. Amount of Securities 4. Nature of Indirect Beneficial 1. Title of Security Beneficially Owned Ownership Ownership (Instr. 4) (Instr. 4) Form: (Instr. 5) Direct (D) or Indirect (I) (Instr. 5) D Â Common Stock 114,375 Reminder: Report on a separate line for each class of securities beneficially SEC 1473 (7-02) 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.

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

1. Title of Derivative Security (Instr. 4)	· ·		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of	5. Ownership Form of Derivative	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of	Derivative Security	Security: Direct (D) or Indirect	

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				Shares		(I) (Instr. 5)	
Employee Stock Option (right to buy)	(1)	03/09/2008	Common Stock	120,000	\$ 5.88	D	Â
Employee Stock Option (right to buy)	(2)	05/18/2014	Common Stock	35,000	\$ 2.63	D	Â
Employee Stock Option (right to buy)	(3)	02/28/2015	Common Stock	20,625	\$ 3	D	Â
Employee Stock Option (right to buy)	(4)	08/28/2016	Common Stock	55,000	\$ 7.29	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
HOU HONG Q 2015 W. CHESTNUT ST. ALHAMBRA, CA 91803	ÂΧ	Â	President and COO	Â		

Signatures

Hong Q. Hou 12/27/2006

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 5(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 Option was granted on March 9, 1998. The option vested in equal installments over 5 years. The initial grant entitled Dr. Hou to purchase 200,000 shares. Currently, Dr. Hou has 120,000 shares remaining on the option. The option is fully vested.
- (2) The Option was granted on May 18, 2004. The option vests in four equal annual installments. The initial granted entitled Dr. Hou to purchase 70,000 shares. Currently, Dr. Hou has 35,000 shares (unvested) remaining on the option.
- (3) The Option was granted on February 28, 2005. The option vests in four equal annual installments. The initial granted entitled Dr. Hou to purchase 27,500 shares. Currently, Dr. Hou has 20,625 shares (unvested) remaining on the option.
- (4) The Option was granted on August 28, 2006. The option vests in four equal annual installments. The initial granted entitled Dr. Hou to purchase 55,000 shares. Currently, Dr. Hou has 55,000 shares (unvested) remaining on the option.

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.

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