Iannelli John M. Form 4 January 08, 2009

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires:

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response...

Section 16. Form 4 or Form 5 obligations may continue.

See Instruction

Check this box

if no longer

subject to

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).

Security

(Instr. 3)

(Print or Type Responses)

1. Name and Address of Reporting Person * Iannelli John M.

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

EMCORE CORP [EMKR]

(Check all applicable)

(First) (Middle) (Last)

(Street)

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

Director 10% Owner Other (specify X_ Officer (give title below)

C/O EMCORE CORPORATION, 10420 12/24/2008

Chief Technology Officer

RESEARCH ROAD, SE

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 Form filed by More than One Reporting

ALBUQUERQUE, NM 87123

(State) (Zip) (City) 1. Title of 2. Transaction Date 2A. Deemed

3. 4. Securities (Month/Day/Year) Execution Date, if TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Month/Day/Year) (Instr. 8)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 5. Amount of 6. Ownership 7. Nature of Securities Form: Direct Indirect Beneficially (D) or Indirect Beneficial Owned (I) Ownership (Instr. 4) Following (Instr. 4)

> Reported Transaction(s) (Instr. 3 and 4)

Code V Amount (D) Price

(A)

or

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

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

1. Title of Derivative

Conversion

3. Transaction Date 3A. Deemed (Month/Day/Year) Execution Date, if

5. Number of TransactionDerivative

6. Date Exercisable and **Expiration Date**

7. Title and Amount of Underlying Securities

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Security (Instr. 3)	or Exercise Price of Derivative Security		any (Month/Day/Year)	Code (Instr.	8)	Securitie Acquired Disposed (Instr. 3, 5)	d (A) or d of (D)	(Month/Day/Year)		(Instr. 3 and	4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Employee Stock Option (right to buy)	\$ 2.63	12/24/2008		D			6,000	<u>(1)</u>	05/18/2014	Common Stock	6,000
Employee Stock Option (right to buy)	\$ 2.89	12/24/2008		A		6,000		(2)	05/18/2014	Common Stock	6,000

Reporting Owners

Reporting Owner Name / Address	Relationships							
	Director	10% Owner	Officer	Other				
Iannelli John M. C/O EMCORE CORPORATION 10420 RESEARCH ROAD, SE ALBUQUERQUE, NM 87123			Chief Technology Officer					

Signatures

/s/ John M.
Iannelli

**Signature of Reporting Person

O1/08/2009

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).
- The reporting person agreed to cancellation of an option granted on May 18, 2004, in exchange for a new option having a higher exercise price and a cash payment. Pursuant to an issuer tender offer described in the Tender Offer Statement on Schedule TO filed with the Commission on November 19, 2008, as amended on December 18, 2008, (the "Tender Offer"), the options were tendered in exchange for a new option having a higher exercise price but the same vesting schedule and payment of \$0.26 per underlying share of Common Stock.
- (2) The option vested in 4 equal installments on the first 4 anniversaries following the original grant date on May 18, 2004.

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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