FORM 4

obligations may continue. See

Instruction 1(b)

Check this box if no longer subject to Section 16. Form 4 or Form 5

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	D.C.	20549

STATEMENT	OF CHANGES	IN BENEFICIAL	OWNERSHIP

OMB APPROVAL OMB Number: Estimated average burden 0.5 hours per response:

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 of Reporting Person* <u>Larocca Christopher M</u>				2. Issuer Name and Ticker or Trading Symbol EMCORE CORP [EMKR]									ationship of Reporting (all applicable) Director		g Person(s) to Issu 10% Ow Other (s)		wner			
(Last) 10420 R	(F ESEARCH	,	(Middle)			Date of /22/20		est Tran	nsaction (Month/Day/Year)									below)	specify	
(Street) ALBUQ	UERQUE 1	NM	87123		- 4. li	4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Indi Line)	ividual or Joint/Group Filing (Check Ap Form filed by One Reporting Perso Form filed by More than One Repor Person			on		
(City)	(S		(Zip)	an Davis				i 0-				-f D		i a III v	0	.1				
1. Title of Security (Instr. 3) 2. Transa Date		2. Transac	tion	Execution Date, /Year) if any		3. 4. Securitie		es Acquired (A) or Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership					
								Code	v	Amount	(A) or (D)	Price		Reported Transaction(s) (Instr. 3 and 4)				(Instr. 4)		
Common	Stock			08/22/	2012				M		4,167	A	(1)	18,	047(2)		D		
Common	Stock			08/23/	2012	12		S ⁽³⁾		1,582	D	\$4.97	18(4) 16,465(2)			D				
Common Stock													6,2	267 ⁽⁵⁾		I	By 401(k) Plan			
		Т	able II								posed of converti				wned					
1. Title of Derivative Security (Instr. 3) 2. Conversion or Exercise Price of Derivative Security		Date E (Month/Day/Year) if	Executi if any			action (Instr.			6. Date Exerci Expiration Da (Month/Day/Yo		ate	7. Title and Amount of Securities Underlying Derivative Secur (Instr. 3 and 4)		De Se (Ir		9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	Ownersh Form: y Direct (D or Indire (I) (Instr.	Ownership	Beneficial Ownership t (Instr. 4)	
					Code	v	(A)	(D)	Date Exercis	able	Expiration Date	Title	Amou or Numb of Shares	er						
Common	(1)	08/22/2012			M			4,167	(6)		(7)	Common	4,16	7	(8)	8,333		D		

Explanation of Responses:

- 1. Each restricted stock unit represents a contingent right to receive one share of Emcore common stock. Restricted stock units are payable, at the election of the issuer, in cash, Emcore common stock, or a combination of the two.
- 2. Includes 11.667 shares of restricted stock granted under the Company's 2010 Equity Incentive Plan, vesting in two equal annual installments beginning on January 28, 2013.
- 3. All sales were effected pursuant to a 10b5-1 plan previously adopted by the Reporting Person to satisfy the Reporting Person's tax liability in connection with the vesting of shares of restricted stock that were granted under the Company's 2010 Equity Incentive Plan, which grant was exempt from Section 16b pursuant to Rule 16b-3(d).
- 4. Reflects aggregate reporting of multiple open market transactions. The price reported is the weighted average sale price of sales ranging from \$4.97 to \$5.04 per share. The reporting person hereby undertakes to provide, upon request by the staff of the Securities and Exchange Commission, the issuer, or a security holder of the issuer, full information regarding the number of shares sold at each price.
- 5. Shares attributable to EMCORE Corporation 401(k) account as of June 30, 2012.
- 6. 4,167 restricted stock units vesting on August 22, 2012
- 7. Remaining unvested restricted stock units vest in two equal annual installments commencing on August 22, 2013. Not later than 30 days after vesting occurs, vested shares of Emcore common stock, an amount in cash equal to their fair market value or a combination of both will be delivered to the reporting person.
- 8. The restricted stock units were awarded to the reporting person for no cash or other similar consideration.

Remarks:

Stock

Alfredo Gomez, attorney-in-

08/24/2012

<u>fact</u>

Stock

** Signature of Reporting Person

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.