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

FORM 4

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

| Filed pursı | uant to | Section 1 | .6(a) of | the | Securiti | les Exch | ange | Act | of : | 1934 |
|-------------|---------|-----------|----------|-------|-----------|----------|------|------|------|------|
| Section | 17(a) o | f the Pub | lic Uti | lity | Holding | Company | Act | of 1 | 1935 | or |
| | Section | 30(f) of | the In | vestr | nent Comp | anv Act | of 1 | 940 | | |

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

| | ====================================== | | :============ | | | | |
|---------|----------------------------------------------------------|---------------------------|------------------------------------|-------------|-------------------------------------------------------------------|--------|--|
| | Miehe, Thomas | | | | | | |
| - | (Last, First Middle) | | | | | | |
| | c/o EMCORE Corporation, 145 | Belmont Drive | | | | | |
| - | (Street) | | | | | | |
| | Somerset, NJ 08873 | | | | | | |
| - | (City, State Zip) | | | | | | |
| | Issuer Name and Ticker or Tra | | | | | | |
| | EMOCRE Corporation (EMKR) | | | | | | |
| | IRS or Social Security Number | | | | | | |
| | Statement for Month/Year | | | | | | |
| | December 2000 | | | | | | |
| | If Amendment, Date of Origina | | | | | | |
| | Relationship of Reporting Per (Check all applicable) | | | | | | |
| | [] Director [X] Officer (give title b | | 10% Owner Other (specify below) | | | | |
| | Vice F | President - Sales and Mar | keting | | | | |
| | ====================================== | | | | | | |
| | [X] Form filed by one Repor | | , | | | | |
| | [] Form filed by more than | | | | | | |
| * | If the form is filed by more see Instruction $4(b)(v)$. | e than one reporting pers | son, | | | | |
| ==: | | ative Securities Acquired | | | | | |
| - | or | Beneficially Owned | | | | | |
| | | 2 | 3. Transaction | Disposed of | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | | |
| 1. | tle of Conveity | 2. Transaction | Code (Instr. 8) | Amazzat | (A) | Dada | |
| | tle of Security nstr. 3) | Date (mm/dd/yy) | Code V | Amount | or (D) | Price | |
| - /1 | Common Stock | 12/12/00 | P | 4,000 | A | \$6.44 | |

| | 5. | 6. Owner- | | |
|-------------------------|-------------------------|---------------|-----------------|--|
| | Amount of Securities | ship Form: | 7. | |
| | Beneficially | Direct | 7. Nature of | |
| | Owned at End | (D) or | Indirect | |
| 1 | of Month | Indirect | Beneficial | |
| i. Title of Security | (Instr. 3 | (I) | Ownership | |
| (Instr. 3) | and 4) | (Instr.4) | (Instr. 4) | |

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

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

| 1. Title of | 2. Conversion or Exercise | 3. | 4. Transaction Code | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) | | 6. Date Exercisable and Expiration Date (Month/Day/Year) | |
|---------------------------------------------------------|------------------------------------|------------------------------------|---------------------------|-----------------------------------------------------------------------------|---|----------------------------------------------------------------------|-------------------------|
| Derivative Security (Instr. 3) | Price of Derivative Security | Transaction Date (Month/ Day/Year) | (Instr. 8) Code V | (Instr. 3, 4 | | Date Exer- cisable | Expira- tion Date |
| (1) Incentive Common Stock Options (right to buy) | \$6.44 | 12/12/00 | М | 4,000 | D | (1) | 12/1/08 |

| l. Title of Derivative Gecurity | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | Amount or Number of | 8. Price of Derivative Security | 9. Number of Derivative Securities Beneficially Owned at End of Month | 10. Ownership Form of Derivative Security: Direct (D) or Indirect | 11. Nature of Indirect Beneficial Ownership |
|---------------------------------------------------------|---------------------------------------------------------------|------------------------------|------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------|
| (Instr. 3) | Title | Shares | (Instr. 5) | (Instr.4) | (I) (Instr. 4) | (Instr. 4) |
| (1) Incentive common stock options (right to buy) | Common Stock | 4,000 | | 21,000 | D | |

^{(1) 6,000} options currently vested; balance vest 5,000 anually beginning 12/1/01.

/s/ Thomas Miehe

January 10 , 2001

**Signature of Reporting Person

Date

** 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 procedures.

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.