

MONOLITHIC POWER SYSTEMS INC
 Form 4
 February 11, 2008

FORM 4

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

OMB APPROVAL

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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

(Print or Type Responses)

1. Name and Address of Reporting Person *
 Xiao Deming

2. Issuer Name and Ticker or Trading Symbol
 MONOLITHIC POWER SYSTEMS INC [MPWR]

5. Relationship of Reporting Person(s) to Issuer
 (Check all applicable)

(Last) (First) (Middle)
 6409 GUADALUPE MINES ROAD
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 02/08/2008

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
 VP, Operations

SAN JOSE, CA 95120
 (City) (State) (Zip)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 ____ Form filed by More than One Reporting Person

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. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership (Instr. 4) | |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|------------------------|
| | | | Code | V | Amount | (A) or (D) | Price | |
| Common Stock <u>(1)</u> | 02/08/2008 | | A | | 60,000 | A | \$ 0 86,375 | D |
| Common Stock <u>(2)</u> | 02/08/2008 | | A | | 3,000 | A | \$ 0 5,568 | I by Spouse <u>(3)</u> |

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

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SEC 1474 (9-02)

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. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Underlying Security (Instr. 3 and 4) |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|
| Non-Qualified Stock Option (right to buy) | \$ 15.6 | 02/08/2008 | | A | 23,450 | 01/31/2010 ⁽⁴⁾ 02/08/2015 | Common Stock |
| Non-Qualified Stock Option (right to buy) | \$ 15.6 | 02/08/2008 | | A | 3,000 | 01/31/2010 ⁽⁴⁾ 02/08/2015 | Common Stock |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|-------------------|-------|
| | Director | 10% Owner | Officer | Other |
| Xiao Deming 6409 GUADALUPE MINES ROAD SAN JOSE, CA 95120 | | | VP, Operations | |

Signatures

By: Rick Neely For: 02/11/2008
Deming Xiao

__Signature of Reporting Person

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).

(1) Subject to accelerated vesting in certain circumstances, 25% of the Performance Units are subject to vest on the 12-month anniversary of the Vesting Commencement Date and 25% of the Performance Units are subject to vest on each of the next 3 yearly anniversaries of the Vesting Commencement Date, provided that the Grantee continues to be a Service Provider from the Grant Date through each applicable vesting date.

(2) 50% of the Performance Units are subject to vest on the first anniversary of the Vesting Commencement Date and 50% of the Performance Units are subject to vest on the second anniversary of the Vesting Commencement Date, provided that the Grantee continues to be a service provider on such dates.

(3) Represent shares owned by the reporting person's spouse.

(4) Fifty percent (50%) of the Shares subject to the Option shall vest twenty-four (24) months after the Vesting Commencement Date, and 1/48 of the Shares subject to the Option shall vest monthly thereafter on the same day of the month as the Vesting Commencement Date, subject to the Optionee continuing to be a Service Provider on such dates.

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(5) Represents options owned by the reporting person's spouse.

Remarks:

The reporting person no longer has a reportable beneficial interest in 86,333 shares of MPWR common stock owned by his father.

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

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