MONOLITHIC POWER SYSTEMS INC

Form 4

October 15, 2007

FORM 4

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

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 * Moyer James C	2. Issuer Name **and** Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [MPWR]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) __X__ Director _____ 10% Owner __X__ Officer (give title _____ Other (specify below) below) Chief IC Design Engineer
(Last) (First) (Middle) 6409 GUADALUPE MINES ROAD	3. Date of Earliest Transaction (Month/Day/Year) 10/15/2007	
(Street) SAN JOSE, CA 95120	4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ 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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	10/15/2007		S(1)		100	D	$ 22.65	267,210	I	by Moyer FamilyTrust
Common Stock	10/15/2007		S(1)		100	D	$ 22.67	267,110	I	by Moyer FamilyTrust
Common Stock	10/15/2007		S(1)		200	D	$ 22.69	266,910	I	by Moyer FamilyTrust
Common Stock	10/15/2007		S(1)		100	D	$ 22.73	266,810	I	by Moyer FamilyTrust
Common Stock	10/15/2007		S(1)		300	D	$ 22.74	266,510	I	by Moyer FamilyTrust

Common Stock	10/15/2007	S(1)	200	D	$ 22.77	266,310	I	by Moyer FamilyTrust
Common Stock	10/15/2007	S(1)	100	D	$ 22.78	266,210	I	by Moyer FamilyTrust
Common Stock	10/15/2007	S(1)	800	D	$ 22.79	265,410	I	by Moyer FamilyTrust
Common Stock	10/15/2007	S(1)	100	D	$ 22.8	265,310	I	by Moyer FamilyTrust
Common Stock	10/15/2007	S(1)	100	D	$ 22.81	265,210	I	by Moyer FamilyTrust
Common Stock	10/15/2007	S(1)	100	D	$ 22.82	265,110	I	by Moyer FamilyTrust
Common Stock	10/15/2007	S(1)	300	D	$ 22.87	264,810	I	by Moyer FamilyTrust
Common Stock	10/15/2007	S(1)	300	D	$ 22.88	264,510	I	by Moyer FamilyTrust
Common Stock	10/15/2007	S(1)	200	D	$ 22.89	264,310	I	by Moyer FamilyTrust
Common Stock	10/15/2007	S(1)	100	D	$ 22.92	264,210	I	by Moyer FamilyTrust
Common Stock	10/15/2007	S(1)	100	D	$ 22.93	264,110	I	by Moyer FamilyTrust
Common Stock	10/15/2007	S(1)	100	D	$ 22.95	264,010	I	by Moyer FamilyTrust
Common Stock	10/15/2007	S(1)	200	D	$ 22.96	263,810	I	by Moyer FamilyTrust
Common Stock	10/15/2007	S(1)	200	D	$ 22.97	263,610	I	by Moyer FamilyTrust
Common Stock	10/15/2007	S(1)	300	D	$ 22.98	263,310	I	by Moyer FamilyTrust
Common Stock	10/15/2007	S(1)	500	D	$ 22.99	262,810	I	by Moyer FamilyTrust
Common Stock	10/15/2007	S(1)	300	D	$ 23	262,510	I	by Moyer FamilyTrust
Common Stock	10/15/2007	S(1)	100	D	$ 23.01	262,410	I	by Moyer FamilyTrust
Common Stock	10/15/2007	S(1)	400	D	$ 23.02	262,010	I	by Moyer FamilyTrust
Common Stock	10/15/2007	S(1)	100	D	$ 23.04	261,910	I	by Moyer FamilyTrust
	10/15/2007	S(1)	200	D		261,710	I	

Common Stock					$ 23.07			by Moyer FamilyTrust
Common Stock	10/15/2007		S[(1)]	300	D	$ 23.08	261,410	I	by Moyer FamilyTrust
Common Stock	10/15/2007		S[(1)]	100	D	$ 23.1	261,310	I	by Moyer FamilyTrust
Common Stock	10/15/2007		S[(1)]	63	D	$ 23.11	261,247	I	by Moyer FamilyTrust
Common Stock	10/15/2007		S[(1)]	37	D	$ 23.12	261,210	I	by Moyer FamilyTrust

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 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 Amount of Underlying Securities (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secu Bene Own Follo Repo Trans (Instr
				Code	V	(A)	(D)		Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Moyer James C 6409 GUADALUPE MINES ROAD SAN JOSE, CA 95120	X		Chief IC Design Engineer	

Signatures

By: Saria Tseng For: James Moyer	10/15/2007

__**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)   In accordance with the reporting person's 10b5-1 trading plan.

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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Signatures   4