

FORM 4**UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

OMB APPROVAL

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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>Sciammas Maurice</u> (Last) (First) (Middle) <u>6409 GUADALUPE MINES ROAD</u> (Street) <u>SAN JOSE CA 95120</u> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>MONOLITHIC POWER SYSTEMS INC</u> <u>[MPWR]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner Officer (give title below) Other (specify below) <u>VP, Sales and Marketing</u>
	3. Date of Earliest Transaction (Month/Day/Year) <u>05/21/2008</u>	
4. If Amendment, Date of Original Filed (Month/Day/Year) <u>05/21/2008</u>		

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	05/21/2008		S		4,300	D	\$24.5	16,917	D	
Common Stock	05/21/2008		S		400	D	\$24.51	16,517	D	
Common Stock	05/21/2008		S		700	D	\$24.52	15,817	D	
Common Stock	05/21/2008		S		500	D	\$24.53	15,317	D	
Common Stock	05/21/2008		S		2,900	D	\$24.54	12,417	D	
Common Stock	05/21/2008		S		1,100	D	\$24.55	11,317	D	
Common Stock	05/21/2008		S		2,600	D	\$24.56	8,717	D	
Common Stock	05/21/2008		S		1,600	D	\$24.57	7,117	D	
Common Stock	05/21/2008		S		200	D	\$24.58	6,917	D	
Common Stock	05/21/2008		S		500	D	\$24.59	6,417	D	
Common Stock	05/21/2008		S		200	D	\$24.6	6,217	D	

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 Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V		Date Exercisable	Expiration Date					

Explanation of Responses:**Remarks:**

This amendment reflects the breakdown of the sale price of the shares which was originally reported as an average. The number of shares sold has not changed.

By: Adriana Chiocchi For: 05/22/2008
Maurice Sciammas

** Signature of Reporting Person Date

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.

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