Sciammas Maurice Form 4 August 06, 2012

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

2. Issuer Name and Ticker or Trading

MONOLITHIC POWER SYSTEMS

Symbol

OMB 3235-0287

OMB APPROVAL

Number:

Expires:

5. Relationship of Reporting Person(s) to

Issuer

January 31, 2005

Estimated average burden hours per

response... 0.5

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

obligations

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 may continue. 30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

Sciammas Maurice

1. Name and Address of Reporting Person *

See Instruction

			MONOLITHIC POWER SYSTEMS INC [MPWR]					(Check all applicable)				
(Last) 79 GREAT		of Earliest Day/Year) 2012		on		Director 10% Owner Sofficer (give title Other (specify below) Sr. V.P.of Sales and Marketing						
	4. If Am	4. If Amendment, Date Original					6. Individual or Joint/Group Filing(Check					
SAN JOSE	Filed(Month/Day/Year)					Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person						
(City)	(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned											
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)		Date, if	3. Transacti Code (Instr. 8)	or Disp (Instr. 2	(A) or t (D)	Price \$	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)		
Stock	08/06/2012			S <u>(1)</u>	393	D	20.2798 (2)	122,757	D			
Common Stock								74,004	I	by Family Trust		
Common Stock								16,371	I	byC Sciammas 04 TRST		
Common Stock								16,371	I	byM Sciammas 04 Trst		

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

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SEC 1474 (9-02)

> 9. Nu Deriv Secur Bene Own Follo Repo Trans

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

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Title	e and	8. Price of	٩
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transaction	orNumber	Expiration Date		Amou	nt of	Derivative	J
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underl	ying	Security	,
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative			Securit	ties	(Instr. 5)]
	Derivative				Securities		(Instr. 3 and 4)			(
	Security				Acquired						J
					(A) or						J
					Disposed						7
					of (D)						(
		(Instr. 3,									
					4, and 5)						
									Amount		
									or		
						Date Exercisable	Expiration Date	Title 1	Number		
									of		
				Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Sciammas Maurice 79 GREAT OAKS BLVD SAN JOSE, CA 95119

Sr. V.P.of Sales and Marketing

Signatures

By: Saria Tseng For: Maurice Sciammas 08/06/2012

**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.

The price is the weighted average sale price for the transactions reported on this line. The prices for the transactions reported on this line (2) range from \$20.25 to \$20.29. The reporting person 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 separate price.

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

Reporting Owners 2