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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

Name and Address of Reporting Person* Sciammas Maurice						2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [MPWR]									(Chec	k all appl	,		erson(s) to Is 10% Ov Other (s	wner	
(Last)	(First) (Middle)					3. Date of Earliest Transaction (Month/Day/Year) 10/04/2013									X	below	below) Sr. V.P.of Sales		below)		
(Street) SAN JOS (City)	N JOSE CA 95119						4. If Amendment, Date of Original Filed (Month/Day/Year)										Individual or Joint/Group Filing (Check Applicable ne) 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/Ye					ar) E	fany	ion D	med on Date, Day/Year)		3. Transaction Code (Instr. 8)		4. Securities Acquire Disposed Of (D) (Ins				5. Amount of Securities Beneficially Owned		6. Ownership Form: Direct (D) or Indirect (I)		7. Nature of Indirect Beneficial Ownership	
									Cod	de V		Amount	(A) or (D)	Price		Following Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)		(Instr. 4)	
Common	10/04/2013	3			M	I ⁽¹⁾		27,000 A		\$17	\$17.92(2)		131,638		D						
Common Stock 10/0					13					(1)		27,000	D	\$31.1	1342(3)		04,638		D		
Common Stock																12	12,746		I	by Family Trust	
	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)	Execu	3A. Deemed Execution Date, if any (Month/Day/Year)		saction of De Sec Ac (A) Dis of (Instr.		Number rivative curities quired or sposed (D) str. 3, 4	(N	6. Date Exer Expiration I (Month/Day/		ate	7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)		ot D Se (It	Price f erivative ecurity nstr. 5)	9. Number derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	y	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D))ate :xercisabl	e	Expiration Date	Title	Amo or Num of Shar	ber						
Non- Qualified Stock Option (right to buy)	\$18.77 ⁽²⁾	10/04/2013			M ⁽¹⁾)		27,00	0 0	08/03/2009)	08/03/2014	Common Stock	27,0	000	\$0.0	20,000		D		

${\bf Explanation\ of\ Responses:}$

- 1. In accordance with the reporting person's 10b5-1 trading plan.
- 2. On December 11, 2012, the Company's Board declared a special cash dividend of \$1.00 per common share, which was paid on December 28, 2012 to all shareholders of record as of the close of business on December 21, 2012. The Board approved a modification whereby each outstanding option as of December 28, 2012 was increased by a ratio of 1.0471 with a corresponding reduction in the exercise price.
- 3. The price is the weighted average sale price for the transactions reported on this line. The prices for the transactions reported on this line range from \$31.00 to \$31.30. 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.

By: Saria Tseng For: Maurice Sciammas

10/08/2013

** 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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