FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL							
OMB Number:	3235-0287						
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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			<u>M</u>	2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [MPWR]									5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner				Owner	
(Last) 6409 GU	(Fir	st) (N MINES ROAD	/liddle)		Date 3/13/			Γransa	actio	n (Mo	nth/Day/Yea	r)		X	belo	,	belo	'
(Street) SAN JOS (City)			5120 (ip)	4.	4. If Amendment, Date of Original Filed (Month/Day/Year)							· ·	6. Indi Line) X	ividual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person			erson	
(Oity)	(011			ativ	- Sc	CUI	ritios	Δοαι	uire	ad D	lisnosad (of or	 Benefic	ially	Own			
1. Title of Security (Instr. 3)		2. Transaction Date (Month/Day/Yea	2 ar) if	2A. Deemed Execution Date,		3. Transaction Code (Instr.		tion	4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 a			5. Am Secur Benet Owne		ount of ities ficially d	6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership		
								Cod	e	v	Amount	(A) or (D)	Price				(Instr. 4)	(Instr. 4)
Common	Stock		08/13/2010)				S (1	1)		929	D	\$17.45	27(2)	7	7,981	D	
Common	Stock														9	5,934	I	by Family Trust ⁽³⁾
Common	Stock														2	4,671	I	byC Sciammas 04 TRST ⁽⁴⁾
Common	Stock														2	4,671	I	byM Sciammas 04 Trst ⁽⁵⁾
		Та	ble II - Derivat (e.g., p								posed of, convertil				wned			
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,	4. Tran	nsactio	on str.	5. Num of Derivat Securit Acquire (A) or Dispos of (D) (Instr. 3 and 5)	ber live lies ed ed 3, 4	6. Da Expi (Mon	ate Exe ration nth/Da	ercisable and	7. Tit Amou Secur Unde Deriv Secur 3 and	le and unt of rities rlying ative rity (Instr.	8. F of Der Sec (Ins	Price ivative urity str. 5)	9. Number derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownershi Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership

Explanation of Responses:

- 1. In accordance with the reporting person's 10b5-1 trading plan.
- 2. 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 \$17.44 to \$17.48. 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
- 3. Shares held by Sciammas Family Living Trust, Maurice Sciammas and Christina Sciammas, Trustees
- 4. Shares held by Christina Sciammas 2004 Trust, Christina Sciammas and Maurice Sciammas, Trustees
- 5. Shares held by Maurice Sciammas 2004 Trust, Maurice Sciammas and Christina Sciammas, Trustees

By: Rick Neely For: Maurice Sciammas

08/13/2010

** Signature of Reporting Person

n 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.

Persons who respond to the collection of ir	nformation contained in this form	n are not required to respond	unless the form displays a curre	ntly valid OMB Number.