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 (Last) (First) (Middle)				2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [MPWR] 3. Date of Earliest Transaction (Month/Day/Year)									(Check all app Direct		olicable) etor er (give title	10% Othe	Person(s) to Issuer 10% Owner Other (specify below)	
6409 GU	ADALUPE	MINES ROAD	,	02/1	1/20	11				•			Sr. V.P.of Sales and Marketing				ing	
(Street) SAN JOS (City)			5120 ip)	4. If A	4. If Amendment, Date of Original Filed (Month/Day/Year)							· · I	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			rson	
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																		
1. Title of Security (Instr. 3)		2. Transaction Date (Month/Day/Yea	2A. Deemed Execution Date if any (Month/Day/Yea		Date,	Date, Transaction			4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 a			d 5)	Beneficiall Owned		6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership		
							Cod	de	v	Amount	(A) or (D)	Price				(Instr. 4)	(Instr. 4)	
Common	Stock		02/11/2011					S		1,178(1)	D	\$15.65	99(2)	11	8,901	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⁾	
	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	3A. Deemed Execution Date, if any (Month/Day/Year) (Month/Day/Year) (Month/Day/Year) (Code (Instr. 8)		5. Num of Derive Secur Acqui (A) or Oispo of (D) (Instr. and 5	ative ities red sed	Expi (Mon	iratior	exercisable and n Date Amount Securiti Underly Derivati Security 3 and 4		unt of rities rlying rative rity (Instr.	8. Price of Derivative Security (Instr. 5) r. Security (Instr. 4)		Following Reported Transaction	Ownership Form: Direct (D) or Indirec (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 \$15.62 to \$15.69. 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: Saria Tseng For: Maurice Sciammas

02/14/2011

** Signature of Reporting Person

on 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.