FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL							
OMB Number: 3235-028							
Estimated average burden							
hours per response:	0.5						

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]							5. Relationship of Reporti (Check all applicable) Director Officer (give title			ng Person(s) to Issuer 10% Owner Other (specify		
(Last) (First) (Middle) 6409 GUADALUPE MINES ROAD				3. Date of Earliest Transaction (Month/Day/Year) 05/02/2011							X	below) Sr. V.P.of Sales		belo	w)	
(Street) SAN JOS	E CA	. 9	5120	4. If Amendment, Date of Original Filed (Day/Ye	ar)	6. Indi Line) X	Form filed by More than One Reporting			erson
(City)	(Sta	ate) (Z	ip)										Pers	on		
Table I - Non-Deriv 1. Title of Security (Instr. 3) 2. Transaction Date (Month/Day/Yea		2A. Deemed Execution Date,		3. Transaction Code (Instr.				r 5. Amount of Securities Beneficially Owned		ount of ities icially d	6. Ownership Form: Direct (D) or Indirect (I)	Indirect Beneficial Ownership				
						Code	v	Amount	(A) or (D)	Price		Following Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)	(Instr. 4)	
Common	Stock		05/02/2011				S ⁽¹⁾		885	D	\$17.1	508(2)	9	1,509	I	by Family Trust ⁽³⁾
Common	Stock		05/02/2011				S ⁽¹⁾		350	D	\$17.1	508(2)	2	2,921	I	byC Sciammas 04 TRST ⁽⁴⁾
Common	Stock		05/02/2011				S ⁽¹⁾		350	D	\$17.1	508(2)	2	2,921	I	byM Sciammas 04 Trst ⁽⁵⁾
Common	Stock	Та	ole II - Derivati										<u> </u>	18,901	D	
Derivative Conversion Date Execurity or Exercise (Month/Day/Year) if a		3A. Deemed Execution Date, if any	4. Transaction of Code (Instr. 8) Se Ac (A) Dis of (Instr. Point of (Instr		5. Num of Derivat Securit Acquire (A) or Dispos of (D) (Instr. 3 and 5)	6. Date Expirat (Month sed		xercisable and	7. Title and Amount of Securities Underlying Derivative Security (Instr 3 and 4) Amou		8. F of Der Sec (Ins	Price ivative curity str. 5)	derivative Securities rity Beneficiall	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership	
				Code	v	(A) (I	Dat D) Exe	e rcisat	Expiration Date	Title	Numb of Share					

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

- 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 \$17.02 to \$17.27. 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

05/02/2011

** 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.