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

1. Name and Address of Reporting Person* Sciammas Maurice			MO	2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC I MPWR 1									Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner					
(Last) (First) (Middle) 79 GREAT OAKS BLVD				3. Date of Earliest Transaction (Month/Day/Year) 05/20/2013								X	below)			Other (specify below) 1 Marketing		
(Street) SAN JOSE CA 95119				4. If Amendment, Date of Original Filed (Month/Day/Year)								Line)	Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person					
(Si	tate) (Zip)	-										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/Yea	Exec ar) if an	2A. Deemed Execution Date, if any (Month/Day/Year)		Cod	Transaction Code (Instr.						Securitie Beneficia Owned	ly (D) or		Direct ct (I)	7. Nature of Indirect Beneficial Ownership	
						Cod	ode V		Amount	(A) or (D)	Price		Reported Transaction(s) (Instr. 3 and 4)		(111501.4)		(Instr. 4)	
Common Stock		05/20/2013	3		N	M		40,000(1)	A	\$1	1.31(2)	151,434		1	D			
Common Stock		05/20/2013	1		S	S		40,000(1)	D	\$24	.2507(3)	111,	111,434		D			
Common Stock		05/20/2013			N	M		1,882(1)	A	\$1	1.31	113,	113,316		D			
Common Stock		05/20/2013			S			1,882(1)	D	\$24	.2507(3)	111,	,434		D			
Common Stock													44,0	44,004		I :	οy Family Frust	
Common Stock													14,371			I	oyC Sciammas 04 TRST	
Common Stock												14,371			I	oyM Sciammas 04 Trst		
													/ned					
2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any	4. Transac Code (Ir	5. Numb Derivativ Securitie Acquiree or Dispo of (D) (Ir		lumber of ivative urities juired (A) Disposed D) (Instr.	mber of ative ities (Month posed (Instr.		Exercisable and tion Date		7. Title and Amount of Securities Underlying Derivative		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s		Form: Direct (D or Indire	Beneficial Ownership	
		Code V (A) (D)		(D)	Date Exercisa					or Number of								
\$11.31	05/20/2013		M			1,882 ⁽¹⁾	12/28/20		2 10/26/201		Common Stock 1		\$0.0	0		D		
\$11.85	05/20/2013		М			40,000 ⁽¹⁾	10/26/20		08 10/26/201			40,000	\$0.0	0		D		
	(Final Matter of	(First) (AT OAKS BLVD SE CA (State) (Constitution of Exercise Price of Derivative Security (Month/Day/Year) \$11.31 05/20/2013	(First) (Middle)	MO MI MI MI MI MI MI MI	MONC MPWR SE	MONOLITED MONO	MONOLITHIC MPWR	MONOLITHIC POV MPWR 3. Date of Earliest Transaction 05/20/2013 4. If Amendment, Date of Original Parameters Month/Day/Year (Month/Day/Year) Month/Day/Year (Month/Day/Year) Month/Day/Year Month/Day/Year	MONOLITHIC POWER MPWR 3. Date of Earliest Transaction (Monoth/Day/Year) Month/Day/Year Month/Day/Y	MONOLITHIC POWER SYSTE MPWR 3 AT OAKS BLVD 3. Date of Earliest Transaction (Month/Day/Year) 4. If Amendment, Date of Original Filed (Month/Day/Year) 6. Securities Acquired, Disposed of Original Filed (Month/Day/Year) 6. Securities Acquired (Month/Day/Yea	MONOLITHIC POWER SYSTEMS North N	MONOLITHIC POWER SYSTEMS INC Month/Day/Year)	MONOLITHIC POWER SYSTEMS INC (Check Month Mont	MONOLITHIC POWER SYSTEMS INC MPWR 3. Date of Earliest Transaction (Month/Day/Year) Security (Instr. 3) 2. Transaction Date of Criginal Filed (Month/Day/Year) Security (Instr. 3) 2. Transaction Date of Criginal Filed (Month/Day/Year) Security (Instr. 3) 2. Transaction Date of Criginal Filed (Month/Day/Year) Security (Instr. 3) 2. Transaction Date of Criginal Filed (Month/Day/Year) Security (Instr. 3) Date of Criginal Filed (Month/Day/Year) Security (Instr. 3) Security (Instr. 3) Date of Criginal Filed (Month/Day/Year) Security (Instr. 3) Date of Criginal Filed (Month/Day/Year) Security (Instr. 3) Security	MONOLITHIC POWER SYSTEMS INC Chock all applicable Chrock all applicable	MONOLITHIC POWER SYSTEMS INC Cloved at applicable) Director	MONOLITHIC POWER SYSTEMS INC	

Explanation of Responses:

^{1.} The expiration date for this grant was October 26, 2013.

^{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 \$24.20 to \$24.49. 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: Meera Rao For: Maurice Sciammas 05/22/2013

Date

** Signature of Reporting Person

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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