FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPRO	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. Is	Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC								5. Relationship of Reporting Person(s) to Issuer (Check all applicable)					
				[M	[MPWR]								Direc		10% (Owner (specify		
(Last) (First) (Middle) 79 GREAT OAKS BLVD				3. Da	3. Date of Earliest Transaction (Month/Day/Year) 05/03/2018							X	Officer (give title below)		below	` '		
				05/0									Sr. V.P.of Sales and Marketing					
				4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)							6. Individual or Joint/Group Filing (Check Applicable Line)						
(Street) SAN JOSE CA 95119												X	Form	n filed by One	Reporting Per	son		
												Form filed by More than One Reportin						
(City)	(Sta	ate) (Z	ľip)										Pers	on				
		Tabl	e I - Non-Deriv	ative	Secu	urities <i>A</i>	Acqui	ired, D	isposed o	f, or E	Benefic	cially	Own	ed				
1. Title of Security (Instr. 3)			2. Transaction Date (Month/Day/Y	ear) E	2A. Deemed Execution Date, r) if any (Month/Day/Year)		3. Transaction Code (Instr.) 8)		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4			and 5) Secu Bene Own			6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership		
							Code	e V	Amount	(A) or (D)	Price		Following Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)	(Instr. 4)		
Common Stock			05/03/201	8	8		S ⁽¹	1)	3,632	D	\$118.	\$118.4314		16,150	D			
Common Stock			05/04/201	8		S ⁽¹	1)	2,153	D	\$122.6625		413,997		D				
Common Stock			05/07/201	8		S (2	2)	1,600	D	\$125		412,397		D				
Common Stock														2,000	I	by Family Trust		
		Та	ble II - Derivat (e.g., p						posed of, convertib				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, if any (Month/Day/Year)	4. Trans Code 8)		5. Numb of Derivativ Securitie Acquired (A) or Dispose of (D) (Instr. 3, and 5)	Expiration ve (Month/Day es d			7. Title and Amount of Securities Underlying Derivative Security (Ins 3 and 4)		of Deri Secu	Price f erivative ecurity nstr. 5)	9. Number of derivative securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)		
				Code	v	(A) (D		ate kercisable	Expiration Date	Title	Amour or Number of Shares	er						

Explanation of Responses:

- 1. The reported sales were to cover taxes upon the vesting of restricted stock units, as required by the Company's equity incentive plans.
- 2. In accordance with the reporting person's 10b5-1 trading plan.

By: Saria Tseng For: Maurice Sciammas 05/07/2018

** 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.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.