FORM 4

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

OMB APPROVAL								
OMB Number: 3235-02								
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*				2. Is	2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC							5. Relationship of Reporting Person(s) to Issuer (Check all applicable)					
Hsing Michael					MONOLITHIC POWER SYSTEMS INC.							X	Direc	tor	10% (		
(Last) (First) (Middle) 79 GREAT OAKS BLVD				3. D	3. Date of Earliest Transaction (Month/Day/Year) 08/04/2016							X	Offic belo	•	Other below EO	(specify )	
(Street)					4. If Amendment, Date of Original Filed (Month/Day/Year)							6. Individual or Joint/Group Filing (Check Applica Line)					
SAN JOSE CA 95119  (City) (State) (Zip)												X	Form filed by One Reporting Person Form filed by More than One Reporting Person				
(City)	(010			vativo	Saci	uritios A	cauire	4 Di	enosad o	f or B	enefi	cially	Own	ad a			
1. Title of Security (Instr. 3) 2. Transa Date			2. Transacti	on Year)	2A. Deemed Execution Date,		3. Transaction Code (Instr. 8)  4. Securities Acquired Disposed Of (D) (Instr. 5)		red (A)	or	5. Am Secur Bene Owne	ount of rities ficially	6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership			
							Code	v	Amount	(A) or (D)	Price	Re Tr		wing rted saction(s) . 3 and 4)	(Instr. 4)	(Instr. 4)	
Common Stock			08/04/20	)16	16		<b>S</b> <sup>(1)</sup>		1,171	D	\$72	2.2134 1,		208,497	D		
Common Stock			08/05/20	16			<b>S</b> <sup>(1)</sup>		11,132	D	\$72	2.7302 1		197,365	D		
Common Stock			08/08/20	)16	16		<b>S</b> <sup>(1)</sup>		8,791	D	\$72	72.6398 1		188,574	D		
Common Stock													1	33,040	I	by M Hsing 04 Trust	
		Та	ble II - Deriva (e.g., p						osed of, convertib				wned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	Date (Month/Day/Year) i	3A. Deemed Execution Date, if any (Month/Day/Year	Code	action (Instr.	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, and 5)	Expiration D (Month/Day/		ate	7. Title and Amount of Securities Underlying Derivative Security (Inst 3 and 4)		of Deri Sec (Ins	Price rivative curity str. 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)	Date Exerc	isable	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.

By: Saria Tseng For: Michael <u>08/08/2016</u>

\*\* 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.