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* Hsing Michael				1	2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [MPWR]									(Check all ap		ctor		10% C)wner	
(Last) 79 GREA	(First) (Middle) AT OAKS BLVD				3. Date of Earliest Transaction (Month/Day/Year) 02/10/2017									X	belo	w)	er (give title v) CEO		Other (specify below)	
(Street) SAN JOS (City)	SAN JOSE CA 95119				4. If Amendment, Date of Original Filed (Month/Day/Year)									6. Indiv Line) X	′					
		Table	e I - Non-Deri	vati	ve S	ecu	rities	Acc	quire	ed, Di	isposed o	f, or E	Benefic	ially	Own	ed				
Dat			2. Transactio Date (Month/Day/)		Execution		n Date,	C	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) o Disposed Of (D) (Instr. 3, 4 a				Secu Bene Owne	ficially ed	Fori (D) d Indi	wnership m: Direct or irect (I) tr. 4)	7. Nature of Indirect Beneficial Ownership	
						C	ode	v	Amount	(A) or (D) Price					(ins	tr. 4)	(Instr. 4)			
Common Stock 02/10/				17	7				S ⁽¹⁾		59,943	D	\$89.	294	1,3	1,317,346		D		
Common Stock			02/13/20	13/2017					S ⁽²⁾		95,667	D \$86.1744 ⁽³⁾		744(3)	1,221,679		D			
Common													133,040			I	by M Hsing 04 Trust			
	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)	ivative Conversion urity or Exercise Price of Derivative Security Detection Date Execution Date, if any (Month/Day/Year)			(5. Numl of Derivati Securiti Acquire (A) or Dispose of (D) (Instr. 3 and 5)			itive ities red sed 3, 4	Expi (Mor	ration nth/Day		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) Amount or Numbe of Title Shares		Secu (Inst	vative irity	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)		10. Dwnership Form: Direct (D) or Indirect I) (Instr. I)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	

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.
- 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 \$85.00 to \$89.01. 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: Saria Tseng For: Michael Hsing

02/13/2017

** Signature of Reporting Person

erson 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.