FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL							
OMB Number: 3235-028							
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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* Hsing Michael (Last) (First) (Middle) 79 GREAT OAKS BLVD			2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [MPWR]								Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner									
			3. Da	3. Date of Earliest Transaction (Month/Day/Year) 05/03/2013 4. If Amendment, Date of Original Filed (Month/Day/Year)								x	fficer (give title elow)		belo	Other (specify below)				
(Street) SAN JOSE CA 95119											4. If A	Individual or Joint/Group Filing (Check Applicab Line) X Form filed by One Reporting Person								
(City)	City) (State) (Zip)													Form filed by More than One Reporting Person						
		Tabl	e I - Non-Deriv	ative	Secu	rities A	cquired	l, Di	sposed o	f, or B	enefic	iall	ly Own	ed						
1. Title of Security (Instr. 3)		2. Transaction Date (Month/Day/Y	ear) if	Execution Date,		3. Transaction Code (Instr. 8)		4. Securities Acquir Disposed Of (D) (Instant 5)				5. Amou Securitie Benefici Owned	es ally	ly (D) o	n: Direct	7. Nature of Indirect Beneficial Ownership				
							Code	v	Amount	(A) or (D)		Followi Reporte Transac (Instr. 3		d tion(s)	(Instr. 4)		(Instr. 4)			
Common	Stock		05/03/201	13			S ⁽¹⁾		820	D	\$24.	18	591	,985		D				
Common	Stock		05/03/201	13			A		74(2)	A	\$0 .	0	592	,059		D				
Common	Stock		05/03/201	13			S ⁽¹⁾		40	D	\$24.	18	592	,019		D				
Common	Stock												465	,566		I	By Jointly w/Spouse			
Common	Stock												133	,040		I	By S. Hsing 04 Trust			
Common	Stock												33,	000		I	Hsing Fam Foundation			
Common	Stock												133	,040		I	by M Hsing 04 Trust			
		Та	ble II - Derivati (e.g., pu						oosed of, convertib				Owned	l						
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	Exercise (Month/Day/Year) if a (Month/Day/Year) if a (Month/Day/Year)		4. Transa Code (l	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exer Expiration I (Month/Day		rcisable and Date	7. Title and Amount of Securities Underlying Derivative Security (Inst 3 and 4)		8 0 0 S (I	Price of Derivative Security Instr. 5)	9. Numb derivativ Securitie Benefici Owned Followir Reporter Transact (Instr. 4)	ive Owners ies Form: Direct or Indi ing (I) (Insted ed 4)		Beneficial Ownership			
				Code	v	(A) (D)	Date Exerci	sable	Expiration Date		Amoun or Numbe of Shares	r								

Explanation of Responses:

- 1. Shares sold to pay tax obligations resulting from the vesting of restricted stock units.
- 2. Equitable stock dividend adjustment approved by the Board of Director as a result of dividend Payment to shareholders on December 28, 2012. Stock dividends will release according to the same vesting schedule as the original grants.

By: Saria Tseng For: Michael Hsing

05/06/2013

** 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.