## FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL
OMB Number: 3235-0287
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

1. Name and Address of Reporting Person <sup>*</sup> Hsing Michael			2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)					
			[MPWR]	X	Director	10% Owner			
	3. Date of Earliest Transaction (Month/Day/Year) 07/10/2008	X	Officer (give title below) CEO	Other (specify below)					
(Street)			4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Ind Line)	ividual or Joint/Group Fi	ling (Check Applicable			
SAN JOSE	CA	95120		X	Form filed by One Re	eporting Person			
(City)	(State)	(Zip)	—		Form filed by More the Person	an One Reporting			

## Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

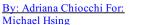
1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	if any	3. Transaction Code (Instr. 8)		4. Securities Disposed Of and 5)			5. Amount of Securities Beneficially Owned	6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership
			Code	v	Amount	(A) or (D)	Price	Following Reported Transaction(s) (Instr. 3 and 4)	(Instr. 4)	(Instr. 4)
Common Stock	07/10/2008		S <sup>(1)</sup>		3,500	D	\$24	753,897	Ι	By Jointly w/Spouse
Common Stock								87,144	D	
Common Stock								133,040	I	By S. Hsing 04 Trust
Common Stock								133,040	Ι	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)	2. Conversion or Exercise Price of Derivative Security		3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transact Code (In 8)		of Deriv Secu Acqu (A) of Dispo of (D (Instr	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		Amour Securi Underl Deriva	nt of ties ying tive ty (Instr.	of Derivative		Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership	
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				

Explanation of Responses:

1. In accordance with the reporting person's 10b5-1 trading plan.



07/14/2008

\*\* Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

 $^{\star}$  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.