FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL							
OMB Number:	3235-0287						
Estimated average burden							
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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* Tseng Saria						2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [MPWR]									all app	olicable) etor		Issuer Dwner (specify
(Last) (First) (Middle) 6409 GUADALUPE MINES ROAD					3. Date of Earliest Transaction (Month/Day/Year) 11/10/2010									X	belov	,	below eral Counsel	
(Street) SAN JOSE CA 95120 (City) (State) (Zip)						4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Indiv Line) X	' I			
		Tabl	e I - No	n-Deriv	ative S	ecu	ırities	s Ac	quired	, Dis	sposed of	f, or B	enefic	ially	Owne	ed		
1. Title of Security (Instr. 3) 2. Transaction Date (Month/Day/Y					Execution Date,			·	3. 4. Securitie Transaction Disposed (Code (Instr. 8)					and Secur Benef Owne		icially d	6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership
									Code V Amoun		Amount	(A) or (D)	Price				(Instr. 4)	(Instr. 4)
Common Stock 11/10/201					10				S		344(1)	D	\$15.	4295	4	6,846	D	
Common Stock 11/10/20					10				S		695(1)	D	\$15.	.4294		6,151	D	
		Та							,	•	osed of, convertib			•	wned			
1. Title of Derivative Security (Instr. 3) 2. Conversi or Exerci Price of Derivative Security		3. Transaction Date (Month/Day/Year)	if any	ution Date,	4. Transact Code (In 8)			ative rities ired osed	6. Date Expira (Month	tion D		7. Title and Amount of Securities Underlying Derivative Security (Inst 3 and 4)		Secu (Inst	vative urity tr. 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)
Evaluation					Code	v	(A)	(D)	Date Exercis	sable	Expiration Date	Title	Amoun or Number of Shares					

Explanation of Responses:

 $1. \ Shares \ sold \ to \ pay \ tax \ obligations \ resulting \ from \ the \ vesting \ of \ restricted \ stock \ units.$

By: Rick Neely For: Saria Tseng

11/12/2010

** Signature of Reporting Person Date

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

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.

^{*} 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).