FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL							
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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* Ueunten Paul					MO	2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [MPWR]									Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner				
(Last) (First) (Middle) 6409 GUADALUPE MINES ROAD						3. Date of Earliest Transaction (Month/Day/Year) 04/02/2008										Officer (give title below) Sr. V.P. Design En			specify
(Street) SAN JOS (City)	SE C.	- 4. If <i>A</i>	4. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filin Line) X Form filed by One Rep. Form filed by More than Person											e Report	ing Pers	on			
		Tab	le I - N	lon-Deri	vative	Sec	urit	ies A	cquired,	Dis	posed o	of, or	Ben	eficia	lly Own	ed			
1. Title of Security (Instr. 3) 2. Transact Date (Month/Day				2A. Deemed Execution Date, if any (Month/Day/Year)		3. Transact Code (In 8)		4. Securities Acquired (Disposed Of (D) (Instr. 3 and 5)				Secur Benef Owne	icially d	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership (Instr. 4)			
									Code	v	Amount	nt (A) o		Price	Repoi Trans	Following Reported Transaction(s) (Instr. 3 and 4)		*'	(msu. 4)
Common Stock				04/02/2	2008				M		5,00	0	A	\$1.2		5,248	Ι		
Common	Stock			04/02/2	2008				S ⁽¹⁾		5,00	0	D	\$17.	96 8	0,248	Γ)	
Common	Stock														1:	53,556	I		Ueunten Trust I
Common Stock														13	123,900			Ueunten Trust II	
Common Stock														3	2,550	I		Ueunten Trust III	
Common Stock														32,550		I		Ueunten Trust IV	
		Ta	able II						uired, Di						/ Owned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)		4. Transac Code (Ir 8)	5. tion Number		6. Date Exe Expiration (Month/Day	Amor Secu Unde Deriv		Title and mount of ecurities aderlying erivative ecurity (Instr.		8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ow For Dir or (I) (Ownership Form: Direct (D) or Indirect (I) (Instr.	11. Nature of Indirect Beneficial Ownership (Instr. 4)		
					Code	v	(A)	(D)	Date Exercisable		xpiration ate	Title	O N O	umber					
Incentive Stock Option (right to buy)	\$1.2	04/02/2008			M			5,000	07/15/2003 ⁽²	2) 0	7/17/2012	Comn Stoc		5,000	\$0	53,000		D	

Explanation of Responses:

- 1. In accordance with the reporting person's 10b5-1 trading plan.
- $2.\ 25\%\ of\ the\ shares\ subject\ to\ the\ option\ vest\ on\ 7/15/03.\ The\ balance\ vests\ monthly\ over\ 36\ months.$

By: Rick Neely For: Paul 04/03/2008 <u>Ueunten</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.