Ueunten Paul Form 5 February 12, 2009

Common

Stock

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32,550

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1 Columny 12	, 2007											
FORM	15								OMB AP	PROVAL		
UNITED STATES SECURITIES AND EXCHANGE COMMISSION								OMB Number:	3235-0362			
Check thi	subject	Washington, D.C. 20549						Expires:	January 31, 2005			
to Section Form 4 of 5 obligati	r Form ANN ons		ATEMENT OF CHANGES IN BENE OWNERSHIP OF SECURITIES					CIAL	Estimated average burden hours per			
may cont See Instru	iction								response	1.0		
Reported Form 4 Transacti	foldings Section 17(	a) of the l	Public U	16(a) of the Itility Holdin nvestment C	ng Comp	any .	Act of 193					
Reported												
1. Name and Address of Reporting Person * Ueunten Paul								5. Relationship of Reporting Person(s) to dissuer				
			MONOLITHIC POWER SYSTEMS INC [MPWR]					(Check all applicable)				
(Last) (First) (Middle)			3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year)				X	Director 10% Owner X Officer (give title Other (specify				
6400 CHAI	DALUPE MINES	' DOAD	12/31/2	2008			belo		below) esign Engineer	ing		
0409 GUA	(Street)	KOAD	1 If Am	andmant Data	Original		6 I.	adividual or Ioi	nt/Group Bono	rtin a		
	(Succe)		4. If Amendment, Date Original Filed(Month/Day/Year)				0. 11	6. Individual or Joint/Group Reporting				
								(check	applicable line)			
SAN JOSE	, CA 95120							Form Filed by O Form Filed by Mo				
(City)	(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned								v Owned			
1.Title of	2. Transaction Date					_						
Security (Instr. 3)	(Month/Day/Year)	any	xecution Date, if Transaction or Dispo		osed of (D) S 3, 4 and 5) I		Securities Beneficially Owned at end of Issuer's Fiscal Year	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Indirect Beneficial Ownership (Instr. 4)			
					Amount	(A) or (D)	Price	(Instr. 3 and 4)	(msu. 1)			
Common Stock	08/15/2008	Â		<u>J(1)</u>	888	A	\$ 14.2035	81,136	D	Â		
Common Stock	Â	Â		Â	Â	Â	Â	153,556	I	Ueunten Trust I		
Common Stock	Â	Â		Â	Â	Â	Â	123,900	I	Ueunten Trust II		

Ueunten

Trust III

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Common Stock Â Â Â Â Â Â Â 32,550 I Ueunten Trust IV

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

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 control number.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

	1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Titl	e and	8. Price of	
	Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transaction	Number	Expiration D	ate	Amou	int of	Derivative	
	Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	
	(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securities	ities	(Instr. 5)	
		Derivative				Securities			(Instr. 3 and 4)			
		Security				Acquired						
						(A) or						
						Disposed						
						of (D)						
						(Instr. 3,						
						4, and 5)						
										Amount		
										Amount		
						Date	Expiration	or Title Nu	Number			
							Exercisable	Date		of		
					(A) (D)							
						(A) (D)				Shares		

of D

## **Reporting Owners**

Reporting Owner Name / Address

Director 10% Owner Officer Other

Ueunten Paul

6409 GUADALUPE MINES ROAD Â Â Â Sr. V.P. Design Engineering Â

SAN JOSE, CAÂ 95120

## **Signatures**

By: Adriana Chiocchi For: Paul Ueunten 02/12/2009

\*\*Signature of Reporting Person Date

## **Explanation of Responses:**

- \* 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).
- (1) Acquired through the company's qualified ESPP program.

Note: File three copies of this Form, one of which must be manually signed. If space provided is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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