Ueunten Paul Form 4 November 02, 2011

OMB APPROVAL UNITED STATES SECURITIES AND EXCHANGE COMMISSION **OMB** 3235-0287 Washington, D.C. 20549 Number: Check this box January 31, Expires: if no longer 2005 STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF subject to Estimated average **SECURITIES** Section 16. burden hours per Form 4 or response... 0.5 Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction 1(b). (Print or Type Responses) 5. Relationship of Reporting Person(s) to 1. Name and Address of Reporting Person * 2. Issuer Name and Ticker or Trading **Ueunten Paul** Issuer Symbol MONOLITHIC POWER SYSTEMS (Check all applicable) INC [MPWR] (Last) (First) (Middle) 3. Date of Earliest Transaction Director 10% Owner Other (specify _X__ Officer (give title (Month/Day/Year) below) 6409 GUADALUPE MINES ROAD 11/02/2011 Sr. V.P. Design Engineering (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting SAN JOSE, CA 95120 Person (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

` *	Table 1 - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owner									
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactio Code (Instr. 8)	omr Dispo (Instr. 3,	sed of 4 and (A) or	5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
Common Stock	11/02/2011		Code V $S_{(1)}^{(1)}$	Amount 949	(D)	Price \$ 11.9499	122,818	D		
Common Stock							153,556	I	Ueunten Trust I	
Common Stock							113,900	I	Ueunten Trust II	
Common Stock							26,000	I	Ueunten Trust III	
Common Stock							26,000	I	Ueunten Trust IV	

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

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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 Exerci	isable and	7. Titl	e and	8. Price of	9
	Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transaction	orNumber	Expiration Date A1		Amou	nt of	Derivative	J
	Security	or Exercise		any	Code	of	(Month/Day/Y	(ear)	Under	lying	Security	,
	(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securi	ities	(Instr. 5)]
		Derivative			Securities				(Instr.	3 and 4)		(
		Security				Acquired						J
						(A) or						J
						Disposed						-
						of (D)						(
						(Instr. 3,						
						4, and 5)						
										Amount		
								Expiration Titl	Title	or Number		
					Code V	(A) (D)				of Charac		
					Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Ueunten Paul

6409 GUADALUPE MINES ROAD SAN JOSE, CA 95120

Sr. V.P. Design Engineering

Signatures

By: Meera Rao For: Paul Ueunten

11/02/2011

**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) Shares sold to pay tax obligations resulting from the vesting of restricted stock units.

Note: File three copies of this Form, one of which must be manually signed. If space 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.

Reporting Owners 2