Ueunten Paul Form 4 March 30, 2011

# FORM 4

#### OMB APPROVAL

# UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB Number: 3235-0287 Expired: January 31,

response...

Check this box if no longer subject to Section 16. Form 4 or

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Expires: 2005
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0.5

Form 4 or Form 5 obligations may continue. See Instruction

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person ** Ueunten Paul			2. Issuer Name <b>and</b> Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer			
			MONOLITHIC POWER SYSTEMS INC [MPWR]	(Check all applicable)			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	Director 10% Owner X Officer (give title Other (specify			
6409 GUADALUPE MINES ROAD		NES ROAD	(Month/Day/Year) 03/30/2011	below) below) 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			
SAN JOSE, CA 95120				Form filed by More than One Reporting Person			

(City)	(State)	(Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned								y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. 4. Securities Acquired (A) Transactionor Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)			5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
			Code	V	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)	(Instr. 4)	
Common Stock	02/15/2011		J	V	1,066 (1)	A	\$ 13.1325	126,656	D	
Common Stock	03/30/2011		M(2)		13,000	A	\$ 1.2	139,656	D	
Common Stock	03/30/2011		S(2)		13,000	D	\$ 14.176 (3)	126,656	D	
Common Stock								153,556	I	Ueunten Trust I
Common Stock								113,900	I	Ueunten Trust II

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Common Stock	26,000	I	Ueunten Trust III
Common Stock	26,000	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 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. Transactio Code (Instr. 8)	ctionDerivative Securities		Derivative Expiration Date Securities (Month/Day/Year) Acquired (A) or Disposed of (D)		7. Title and Amount o Underlying Securities (Instr. 3 and 4)	
				Code V	and 5		Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Incentive Stock Option (right to	\$ 1.2	03/30/2011		M(2)		13,000	07/15/2003	07/17/2012	Common Stock	13,000

# **Reporting Owners**

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			

Ueunten Paul

buy)

6409 GUADALUPE MINES ROAD Sr. V.P. Design Engineering SAN JOSE, CA 95120

### **Signatures**

By: Saria Tseng For: Paul
Ueunten
03/30/2011

\*\*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).

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- (1) Acquired through the Company's qualified ESPP program.
- (2) In accordance with the reporting person's 10b5-1 trading plan.
  - The price is the weighted average sale price for the transactions reported on this line. The prices for the transactions reported on this line
- (3) range from \$14.1325 to \$14.27. The reporting person undertakes to provide, upon request by the staff of the Securities and Exchange Commission, the issuer, or a security holder of the issuer, full information regarding the number of shares sold at each separate price.

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.