

Ueunten Paul
Form 4
May 05, 2009

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 OF SECURITIES

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

(Print or Type Responses)

1. Name and Address of Reporting Person *
Ueunten Paul

2. Issuer Name and Ticker or Trading Symbol
MONOLITHIC POWER SYSTEMS INC [MPWR]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
6409 GUADALUPE MINES ROAD
(Street)

3. Date of Earliest Transaction (Month/Day/Year)
05/05/2009

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
Sr. V.P. Design Engineering

SAN JOSE, CA 95120

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 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)
			Code	V Amount (A) or (D) Price			
Common Stock	02/17/2009		J ⁽¹⁾	V 1,131 A \$ 11.1435	61,173	D	
Common Stock	05/05/2009		S	100 D \$ 18.57	32,450	I	Ueunten Trust III
Common Stock	05/05/2009		S	800 D \$ 18.92	31,650	I	Ueunten Trust III
Common Stock	05/05/2009		S	100 D \$ 18.64	31,550	I	Ueunten Trust III
Common Stock	05/05/2009		S	300 D \$ 18.67	31,250	I	Ueunten Trust III

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Common Stock	05/05/2009	S	200	D	\$ 18.7	31,050	I	Ueunten Trust III
Common Stock	05/05/2009	S	100	D	\$ 18.72	30,950	I	Ueunten Trust III
Common Stock	05/05/2009	S	100	D	\$ 18.69	30,850	I	Ueunten Trust III
Common Stock	05/05/2009	S	100	D	\$ 18.73	30,750	I	Ueunten Trust III
Common Stock	05/05/2009	S	100	D	\$ 18.63	30,650	I	Ueunten Trust III
Common Stock	05/05/2009	S	100	D	\$ 18.62	30,550	I	Ueunten Trust III
Common Stock	05/05/2009	S	100	D	\$ 18.57	32,450	I	Ueunten Trust IV
Common Stock	05/05/2009	S	800	D	\$ 18.92	31,650	I	Ueunten Trust IV
Common Stock	05/05/2009	S	100	D	\$ 18.64	31,550	I	Ueunten Trust IV
Common Stock	05/05/2009	S	300	D	\$ 18.67	31,250	I	Ueunten Trust IV
Common Stock	05/05/2009	S	100	D	\$ 18.7	31,150	I	Ueunten Trust IV
Common Stock	05/05/2009	S	200	D	\$ 18.72	30,950	I	Ueunten Trust IV
Common Stock	05/05/2009	S	100	D	\$ 18.69	30,850	I	Ueunten Trust IV
Common Stock	05/05/2009	S	100	D	\$ 18.73	30,750	I	Ueunten Trust IV
Common Stock	05/05/2009	S	200	D	\$ 18.62	30,550	I	Ueunten Trust IV
Common Stock						153,556	I	Ueunten Trust I
Common Stock						123,900	I	Ueunten Trust II

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

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(9-02)

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

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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. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Owned Following Transaction (Instr. 5)
				Code V (A) (D)		Date Exercisable Expiration Date	Title	Amount or Number of 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: Adriana Chiocchi For: Paul Ueunten 05/05/2009

**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.

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