Ueunten Paul Form 4 November 05, 201

November 05, 2012 FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION

OMB APPROVAL

OMB Number: 3235-0287 Expires: January 31,

Expires. 2005
Estimated average burden hours per response... 0.5

10% Owner

5. Relationship of Reporting Person(s) to

(Check all applicable)

Issuer

Director

Washington, D.C. 20549
STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

subject to Section 16. Form 4 or Form 5 obligations

Check this box

if no longer

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

2. Issuer Name and Ticker or Trading

MONOLITHIC POWER SYSTEMS

SECURITIES

may continue.

See Instruction

30(h) of the Investment Company Act of 1940

Symbol

INC [MPWR]

3. Date of Earliest Transaction

1(b).

Ueunten Paul

(Last)

(Print or Type Responses)

1. Name and Address of Reporting Person *

(First)

(Middle)

79 GREAT	OAKS BLVD		/Day/Year)	X Officer (give below) Sr. V.P. I	title Othe below) Design Enginee	
	(Street)		nendment, Date Original (onth/Day/Year)	6. Individual or Jo Applicable Line) _X_ Form filed by 0		
SAN JOSE,	CA 95119			Form filed by M Person		
(City)	(State)	(Zip) Ta	ble I - Non-Derivative Securities Acq	uired, Disposed of	, or Beneficiall	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year	Code (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)
Common Stock	11/01/2012		$S_{\underline{(1)}}$ 1,370 D $^{\$}$ 17.341	122,766	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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SEC 1474 (9-02)

> 9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr

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.	4	5.	6. Date Exerc	cisable and	7. Tit	le and	8. Price of	
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transac	ction	Number	Expiration Da	ate	Amou	ınt of	Derivative	
Security	or Exercise		any	Code	(of	(Month/Day/	Year)	Under	rlying	Security	
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8	8) 1	Derivative	•		Secur	ities	(Instr. 5)	
	Derivative					Securities			(Instr.	3 and 4)		
	Security				1	Acquired						
	-				((A) or						
]	Disposed						
					(of (D)						
					((Instr. 3,						
					4	4, and 5)						
										Amount		
							Date	Expiration	m: d	or		
							Exercisable	Date	Title	Number		
				G 1		(A) (B)				of		
				Code	V ((A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships
Reporting Owner Name / Address	

Director 10% Owner Officer Other

Ueunten Paul

79 GREAT OAKS BLVD Sr. V.P. Design Engineering

SAN JOSE, CA 95119

Signatures

By: Meera Rao For: Paul Ueunten 11/05/2012

**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.

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