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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person*  Ueunten Paul  (Last) (First) (Middle)						2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [MPWR]  3. Date of Earliest Transaction (Month/Day/Year)									5. Relationship of Reporting Person(s) to Issuer (Check all applicable)  Director 10% Owner  X Officer (give title below) below)			Owner (specify )
79 GREA (Street) SAN JOS (City)				11/08/2012  4. If Amendment, Date of Original Filed (Month/Day/Year)								Sr. V.P. Design Engineering  6. Individual or Joint/Group Filing (Check Applicable Line)  X Form filed by One Reporting Person Form filed by More than One Reporting Person						
		Tabl	e I -	Non-Deriv	ative	Secu	uritie	es Ac	quired	l, Di	sposed o	f, or B	enefi	cially	Own	ed		
1. Title of Security (Instr. 3)				2. Transactio Date (Month/Day/Y	ear) if	Executi		· 1	3. Transaction Code (Instr. 8)			es Acquired (A) Of (D) (Instr. 3, 4		and Secu Bene Own			6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership
									Code	v	Amount	(A) or (D)	Price	•			(Instr. 4)	(Instr. 4)
Common	Stock			11/08/20	12				S <sup>(1)</sup>		1,413	D	\$18	.8598	1	21,353	D	
Common	Stock														1	53,556	I	Ueunten Trust I
Common	Stock														1	13,900	I	Ueunten Trust II
Common	Stock														2	26,000	I	Ueunten Trust III
Common Stock													26,000		I	Ueunten Trust IV		
		Та	ble l	I - Derivat (e.g., pı							osed of, convertib				wned			
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	Date (Month/Day/Year) it	Exectif any	y .	4. Transa Code (I 8)				Expira (Month	tion [				of Deri Sec (Ins	Price rivative curity str. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	ode V (A) (D)				Expiration Date	Title	Amou or Numb of Shares	er					

## Explanation of Responses:

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

By: Meera Rao For: Paul <u>Ueunten</u>

11/09/2012

\*\* Signature of Reporting Person Date

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

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.

 $<sup>^{\</sup>star}$  If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

<sup>\*\*</sup> Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).