FORM 4

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

OMB APPROVAL

OMB Number: 3235-0287

Estimated average burden hours per response: 0.5

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

Name and Address of Reporting Person*     Ueunten Paul		2. Issuer Name <b>and</b> T MONOLITHIC MPWR ]					ationship of Reportir all applicable) Director		Issuer Owner		
(Last) (First) (Middle) 6409 GUADALUPE MINES ROAD		3. Date of Earliest Tra	nsaction	(Mont	th/Day/Year)	X	Officer (give title below) Sr. V.P. Desig	below	Other (specify below)		
(Street) SAN JOSE CA 9512 (City) (State) (Zip)		4. If Amendment, Date	e of Origii	nal Fil	ed (Month/Da	6. Indiv Line)	l '				
Table I	· Non-Derivat	ive Securities A	cquired	I, Di	sposed of	, or Be	neficially	Owned			
1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Yea	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired Disposed Of (D) (Instr 5)			5. Amount of Securities Beneficially Owned Following	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	Reported Transaction(s) (Instr. 3 and 4)	(	(111341. 4)	
Common Stock	02/17/2009		<b>J</b> <sup>(1)</sup>	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	
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	

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																	
1. Title of Security (Instr. 3)		Date	2. Transaction Date (Month/Day/Year)		2A. Deemed Execution Date, if any (Month/Day/Year)		Co	Transaction Code (Instr.		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 a 5)					6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership	
							Co	ode	v	Amount	(A) or (D)	Price	Rep Tran	owing orted nsaction(s) tr. 3 and 4)	(Instr. 4)	(Instr. 4)	
Common Stock		05	/05/200	9				S		100	D	\$18.6	59	30,850	I	Ueunten Trust IV	
Common Stock		05	/05/200	009				S		100	D	\$18.7	73	30,750	I	Ueunten Trust IV	
Common Stock		05	/05/200	009				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	
	Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)																
Derivative Conversion Date E Security or Exercise (Month/Day/Year) if		if any	ecution Date, Tran		saction e (Instr. Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		ve (I	Expiration De (Month/Day/		ate	7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative see Securities Beneficially Owned Following Reported Transaction (Instr. 4)	y Ownership Form: Direct (D) or Indirec (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	v	(A) (D		Date Exercis	sable	Expiration Date	Title	Amount or Number of Shares				

## **Explanation of Responses:**

1. Acquired through the Company's qualified ESPP program.

By: Adriana Chiocchi For:
Paul Ueunten

05/05/2009

\*\* 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).