FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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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 Add		Person [*]		2. Issuer Name and [¬] MONOLITHIC [MPWR]			0 ,	MS IN			tionship of Reportir all applicable) Director	10% (Dwner		
(Last) (First) (Middle) 6409 GUADALUPE MINES ROAD				3. Date of Earliest Transaction (Month/Day/Year) 03/30/2011							Officer (give title Other (sp below) below) Sr. V.P. Design Engineering)		
(Street) SAN JOSE (City)	CA (State)	9512 (Zip)	:0	4. If Amendment, Da	te of Orig	jinal F	iled (Month/D	ay/Year))	6. Indiv Line) X	vidual or Joint/Grou Form filed by One Form filed by Mor Person	e Reporting Per	son		
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned														
			2. Transaction Date (Month/Day/Yea	2A. Deemed Execution Date,) if any (Month/Day/Year)	3. Transae Code (I 8)		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4				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)	(1150.4)	(1150.4)		
Common Stock			02/15/2011		J	v	1,066(1)	Α	\$13.	1325	126,656	D			
Common Stock			03/30/2011		M ⁽²⁾		13,000	Α	\$	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		
Common Stock	:										26,000	Ι	Ueunten Trust III		
Common Stock	:										26,000	I	Ueunten Trust IV		

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

			(0 / 1												
1. Title of Derivative Security (Instr. 3) 2. Conversion or Exercise Price of Derivative Security			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 Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Incentive Stock Option (right to buy)	\$1.2	03/30/2011		M ⁽²⁾			13,000	07/15/2003	07/17/2012	Common Stock	13,000	\$0	0	D	

Explanation of Responses:

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

2. In accordance with the reporting person's 10b5-1 trading plan.

3. The price is the weighted average sale price for the transactions reported on this line. The prices for the transactions reported on this line 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.

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

** Signature of Reporting Person Date

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

 * 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).

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.