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*			2. Issuer Name and					Relationship of Reporting Person(s) to Issuer (Check all applicable)							
Moyer James C				MONOLITHIC MPWR]	POW	<u>/EK</u>	SYSIE	10 10	X Director	10)% Owner				
(Last) 6409 GUADAL	(First)	(Mido	lle)	3. Date of Earliest Tr 09/19/2007	ansaction	(Mor	nth/Day/Year)	\dashv	X Officer (give below) Chief IC		ther (specify elow) neer			
				4. If Amendment, Da	te of Orig	inal F	Filed (Month/E	′ I	6. Individual or Joint/Group Filing (Check Applicable						
(Street) SAN JOSE	CA	951	20						Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person						
(City)	(State)	(Zip)								1 010011					
		Table I	- Non-Deriva	tive Securities A	cquire	d, D	isposed o	f, or B	eneficia	ally Owned					
1. Title of Security (Instr. 3)			2. Transaction Date (Month/Day/Yea	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transac Code (II 8)		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 and 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)	(1154: 4)	(111541. 4)				
Common Stock			09/19/2007	,	S ⁽¹⁾		100	D	\$21.82	307,210	I	by Moyer FamilyTrust			
Common Stock			09/19/2007	,	S ⁽¹⁾		100	D	\$21.83	307,110	I	by Moyer FamilyTrust			
Common Stock			09/19/2007	,	S ⁽¹⁾		100	D	\$21.84	307,010	I	by Moyer FamilyTrust			
Common Stock			09/19/2007	,	S ⁽¹⁾		200	D	\$21.85	306,810	I	by Moyer FamilyTrust			
Common Stock			09/19/2007	,	S ⁽¹⁾		100	D	\$21.86	306,710	I	by Moyer FamilyTrust			
Common Stock			09/19/2007	,	S ⁽¹⁾		200	D	\$21.88	306,510	I	by Moyer FamilyTrust			
Common Stock			09/19/2007	,	S ⁽¹⁾		600	D	\$21.89	305,910	I	by Moyer FamilyTrust			
Common Stock			09/19/2007	,	S ⁽¹⁾		200	D	\$21.9	305,710	I	by Moyer FamilyTrust			
Common Stock			09/19/2007	,	S ⁽¹⁾		300	D	\$21.91	305,410	I	by Moyer FamilyTrust			
Common Stock			09/19/2007	,	S ⁽¹⁾		100	D	\$21.92	305,310	I	by Moyer FamilyTrust			
Common Stock			09/19/2007	,	S ⁽¹⁾		200	D	\$21.93	305,110	I	by Moyer FamilyTrust			
Common Stock			09/19/2007	,	S ⁽¹⁾		500	D	\$21.94	304,610	I	by Moyer FamilyTrust			
Common Stock			09/19/2007	,	S ⁽¹⁾		800	D	\$21.95	303,810	I	by Moyer FamilyTrust			
Common Stock			09/19/2007	,	S ⁽¹⁾		300	D	\$21.96	303,510	I	by Moyer FamilyTrust			
Common Stock			09/19/2007	,	S ⁽¹⁾		800	D	\$21.97	302,710	I	by Moyer FamilyTrust			
Common Stock			09/19/2007	,	S ⁽¹⁾		900	D	\$21.98	301,810	I	by Moyer FamilyTrust			

		Tabl	e I - Non-Deriv	ative	Secu	ıritie	s Ac	quire	d, Di	isposed o	f, or B	eneficia	lly Own	ed			
1. Title of Security (Instr. 3)		2. Transaction Date (Month/Day/Ye	ar) E	2A. Deemed Execution D if any (Month/Day/		te, 1	3. Transaction Code (Instr. 8)			es Acquired (A) or Of (D) (Instr. 3, 4		5. Amour Securitie Beneficia Owned Followin	s ally	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	ct Ind Be	Nature of direct neficial mership str. 4)	
							G	Code	v	Amount	(A) or (D)	Price	Reported Transact (Instr. 3 a	ion(s)	(msu. 4)	""	str. 4)
Common Stock			09/19/200)7				S ⁽¹⁾		800	D	\$21.99	301,	010	I		Moyer milyTrust
Common	Stock		09/19/200	7				S ⁽¹⁾		800	D	\$22	300,	210	I		Moyer milyTrust
Common	Stock		09/19/200	07				S ⁽¹⁾		200	D	\$22.01	300,	,010	I		Moyer milyTrust
Common	Stock		09/19/200	7				S ⁽¹⁾		200	D	\$22.02	299,	810	I		Moyer milyTrust
Common	Stock		09/19/200	07				S ⁽¹⁾		100	D	\$22.03	299,	,710	I		Moyer milyTrust
Common	Stock		09/19/200	09/19/2007				S ⁽¹⁾		100	D	\$22.05	299,610		I		Moyer milyTrust
Common	Stock		09/19/200	07				S ⁽¹⁾		100	D	\$22.06	299,510		I		Moyer milyTrust
Common Stock		09/19/200	9/2007			S ⁽¹⁾		200	D	\$22.07	299,310		I		Moyer milyTrust		
Common Stock		09/19/200	09/19/2007			S ⁽¹⁾		200	D	\$22.08	299,110		I		Moyer milyTrust		
Common Stock		09/19/200	09/19/2007			S ⁽¹⁾		400	D	\$22.09	298,710		I		Moyer milyTrust		
Common Stock		09/19/200	09/19/2007				S ⁽¹⁾		100	D	\$22.1	298,	610	I		Moyer milyTrust	
Common Stock		09/19/200	09/19/2007				S ⁽¹⁾		500	D	\$22.11	298,110		I		Moyer milyTrust	
Common Stock		09/19/200	09/19/2007				S ⁽¹⁾		100	D	\$22.12	298,010		I		Moyer milyTrust	
Common Stock 09/19/2007							S ⁽¹⁾		100	D	\$22.13	297,910		I		Moyer milyTrust	
		Та	ble II - Derivati (e.g., ρι							oosed of, convertib			y Owned				
Derivative Conversion Date Execurity or Exercise (Month/Day/Year) if		3A. Deemed Execution Date, if any	Transaction of Code (Instr. 8) Secur Acqu (A) or Dispo of (D)		vative irities uired or osed 0) r. 3, 4	Expiration (Month/Day		rcisable and Date	7. Title Amoun Securit Underly Derivat	t of ies ying ive y (Instr.	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s (Instr. 4)	re Own es For ally Dire or I (I) (I d 4)	ership n: ct (D) ndirect nstr.	11. Nature of Indirect Beneficial Ownership (Instr. 4)		
				Code	v	(A)	(D)	Date Exerc	isable	Expiration Date	Title	Amount or Number of Shares					

Explanation of Responses:

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

By: Saria Tseng For: James Moyer

09/21/2007

** 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.

 $^{^{\}star}$ 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).