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

1. Name and Address of Reporting Person [*] Xiao Deming				2. Issuer Name and Ti MONOLITHIC [MPWR]	0	Symbol		all applicable) Director	g Person(s) to Issuer 10% Owner Other (specify			
(Last) 983 UNIVERSI	ast) (First) (Middl 83 UNIVERSITY AVENUE		′ I	3. Date of Earliest Tra 11/19/2004	nsaction (Month	/Day/Year)	X	Officer (give title below) VP of O	below berations	elow)		
BUILDING A				4. If Amendment, Date	e of Original File	d (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line)					
(Street)							X	Form filed by One	e Reporting Per	son		
LOS GATOS	CA	95032	2					Form filed by Mor Person	e than One Re	porting		
(City)	(State)	(Zip)										
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned												
1 Title of Security (Instr. 3) 2. Transaction				2A. Deemed	3	4. Securities Acquired (A) or	5. Amount of	6. Ownership	7. Nature		

Security (Instr. 3) Disposed Of (D) (Instr. 3, 4 and Securities Beneficially Date Execution Date, Transaction Form: Direct of Indirect (Month/Day/Year) (D) or if anv Code (Instr. 5) Beneficial (Month/Day/Year) 8) Owned Indirect (I) Ownership Following (Instr. 4) (Instr. 4) Reported (A) or (D) Code v Amount Price Transaction(s) (Instr. 3 and 4) Common Stock 08/15/2005(1) 2,833 \$6.579(2) 111,666 D Α Α

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned

	(e.g., puts, calls, warrants, options, convertible securities)														
1. Title of Derivative Security (Instr. 3) 2. Conversio Or Exercise Price of Derivative Security		3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	Code (Instr.		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)		of Derivative	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				

Explanation of Responses:

1. Acquired through qualified Employee Stock Purchase Plan

2. Purchase price equals closing market price on purchase date less 15% pursuant to qualified Employee Stock Purchase Plan

08/16/2005

** Signature of Reporting Person Date

Deming Xiao

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.