FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL
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By

Parent

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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 [*] Xiao Deming				2. Issuer Name and T MONOLITHIC			0,		5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner				
(Last) (First) (Middle) 983 UNIVERSITY AVENUE, BUILDING A				MPWR] 3. Date of Earliest Tra 05/11/2006	ansactior	ı (Mor	nth/Day/Year)	X	Officer (give title below) VP, Op	Other (specify below) erations			
(Street) LOS GATOS CA 950				4. If Amendment, Dat	e of Orig	inal F	iled (Month/D	6. Indiv Line) X	,				
(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disp								. er D					
1. Title of Security (Instr. 3)			2. Transaction Date (Month/Day/Year	2A. Deemed Execution Date,	3. Transaction Code (Instr.		4. Securities	Acquire	•	5. Amount of Securities Beneficially Owned	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	v	Amount (A) or Pric		Price	Following Reported Transaction(s) (Instr. 3 and 4)			
Common Stock			03/14/2006		J ⁽¹⁾	v	2,000	Α	\$6.579	24,500	D		
Common Stock			05/04/2006		D	v	2,000(1)	D	\$18.505(2)	22,500	D		
Common Stock			05/11/2006		М		10,000	Α	\$0.8	32,500	D		
Common Stock			05/11/2006		S		10,000	D	\$17.264 ⁽²⁾	22,500	D		

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

Security	Conversion	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		of		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)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Incentive Stock Option (right to buy)	\$0.8	05/11/2006		М			10,000	05/01/2002	06/05/2011	Common Stock	10,000	\$17.264 ⁽²⁾	14,000	D	

Explanation of Responses:

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

2. Average price per share

Common Stock

Deming Xiao

05/11/2006

Date

** Signature of Reporting Person

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.