

MONOLITHIC SYSTEM TECHNOLOGY INC  
 Form 3  
 June 26, 2001

UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
 Washington, D.C. 20549

FORM 3

OMB APPROVAL

INITIAL STATEMENT OF  
 BENEFICIAL OWNERSHIP OF SECURITIES

OMB Number: 3235-014  
 Expires: December 31, 2001  
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(Print or Type Responses)

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,  
 Section 17(a) of the Public Utility Holding Company Act of 1935 or  
 Section 30(f) of the Investment Company Act of 1940

1. Name and Address of Reporting Person*			2. Date of Event Requiring Statement (Month/Day/Year)	4. Issuer Name <b>and</b> Ticker or Trading Symbol		
Leung	Wing-Yu		June 26, 2001	Monolithic System Technology, Inc. (MOSY)		
(Last)	(First)	(Middle)	3. IRS Identification Number of Reporting Person, if an entity (voluntary)	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)		6. If Amendment, Date of Original (Month/Day/Year)
1020 Stewart Drive				<input checked="" type="checkbox"/> Director <input checked="" type="checkbox"/> Officer (give title below)		
(Street)				<input checked="" type="checkbox"/> 10% Owner <input type="checkbox"/> Other (specify below)		
Sunnyvale,	CA	94085		Executive Vice President, Chief Technical Officer		7. Individual or Joint/Group (Check Applicable Line)
(City)	(State)	(Zip)				<input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person

Table I Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	3,255,000	D	
Common Stock	300,000	I	Held as Trustee of trusts established for the benefit of Michael Pak Shing Leung
Common Stock	300,000	I	Held as Trustee of trusts established for the benefit of Matthew Pak-Ling Leung

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

(Over)  
SEC 1473 (7-97)

\* If the form is filed by more than one reporting person, see Instruction 5(b)(v).

**POTENTIAL PERSONS WHO ARE TO RESPOND TO THE COLLECTION OF INFORMATION  
CONTAINED IN THIS FORM ARE NOT REQUIRED TO RESPOND UNLESS THE FORM  
DISPLAYS A CURRENTLY VALID OMB CONTROL NUMBER.**

FORM 3 (Continued)

**Table II Derivative Securities Beneficially Owned**  
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)	
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		
Option to Purchase Common Stock	5/17/99(1)	5/16/09	Common Stock	30,000	\$1.00	D
Option to Purchase Common Stock	3/7/97(2)	3/6/07	Common Stock	40,000	\$1.00	D
Option to Purchase Common Stock	12/3/98(3)	12/2/08	Common Stock	30,000	\$1.00	D
Option to Purchase Common Stock	5/12/00(4)	5/11/10	Common Stock	40,000	\$8.00	D

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Explanation of Responses:

- (1) Option vests 8.333% per month commencing 7/1/02
- (2) Option vests 2% per month commencing 6/15/98
- (3) Option vests 8.333% per month commencing 7/1/01
- (4) Shares vest at 8.333% per month commencing 7/1/03

\*\*Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

/s/ Wing Yu Leung

June 26, 2001

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\*\*Signature of Reporting Person

Date

Note: File three copies of this Form, one of which must be manually signed.  
If space is insufficient, *see* Instruction 6 for procedure.