BERLINGHIERI LEO

Form 4

March 12, 2009

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

3235-0287 Number:

OMB APPROVAL

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Form 5 obligations may continue. See Instruction

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(h) of the Investment Company Act of 1940

(Print or Type Responses)

1(b).

Common

Stock

03/10/2009

	Address of Reporting HIERI LEO	Symbol	er Name and Ticker or Trading NSTRUMENTS INC [MKSI]	5. Relationship of Reporting Person(s) to Issuer			
(Last)	(First) (N	Middle) 3. Date of	of Earliest Transaction	(Check all applicable)			
2 TECH DI	RIVE	(Month/l 03/10/2	Day/Year) 2009	X Director 10% Owner X Officer (give title Other (specify below) President and CEO			
	(Street)	4. If Am	endment, Date Original	6. Individual or Joint/Group Filing(Check			
ANDOVER (City)	R, MA 01810 (State)	(7:n)	onth/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			
(City)	(State)	Tab	ole I - Non-Derivative Securities Ac	quired, Disposed of, or Beneficially Owned			
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. 4. Securities Acquired Transactior(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8) (A) or Code V Amount (D) Price	Beneficially Form: Direct Beneficial Owned (D) or Ownership Following Indirect (I) (Instr. 4) Reported (Instr. 4) Transaction(s) (Instr. 3 and 4)			
Common Stock	03/10/2009		M 14,738 A \$0	68,480 D			

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

 $F^{(1)}$

4,681

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63,799

D

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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. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transacti Code (Instr. 8)	5. Number of orDerivative 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 Underlying Securities (Instr. 3 and 4)		8 I S (
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		
Restricted Stock Unit	(2)	03/10/2009		M	14,738	<u>(3)</u>	(3)	Common Stock	14,738		

De

Reporting Owners

Reporting Owner Name / Address	Relationships				
	Director	10% Owner	Officer	Other	
BERLINGHIERI LEO 2 TECH DRIVE ANDOVER, MA 01810	X		President and CEO		

Signatures

/s/Renee M.
Donlan POA

**Signature of Reporting

Date

Explanation of Responses:

- * 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).
- (1) This transaction is effected pursuant to a Rule 10b5-1 trading plan previously adopted by the reporting person to satisfy tax withholding obligations.
- (2) Each restricted stock unit represents the contingent right to receive one share of common stock of MKS Instruments, Inc.
- One half of RSUs shall vest in equal annual installments over three years, and the other half shall be subject to the achievement of performance criteria, and thereafter shall vest in equal annual installments over three years.
- (4) This number includes the forfeiture of RSUs due to performance criteria.

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

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