

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

OMB APPROVAL	
OMB Number:	3235-0287
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1. Name and Address of Reporting Person* <u>BERLINGHIERI LEO</u> (Last) (First) (Middle) <u>90 INDUSTRIAL WAY</u> (Street) <u>WILMINGTON MA 01887</u> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>MKS INSTRUMENTS INC [MKSI]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner Officer (give title below) Other (specify below) <u>V.P. Global Sales & Service</u>
	3. Date of Earliest Transaction (Month/Day/Year) <u>05/28/2004</u>	
4. If Amendment, Date of Original Filed (Month/Day/Year)		

Table I - Non-Derivative Securities Acquired, 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. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	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			
Common	05/28/2004		M		5,000	A	\$4.43	5,000	D	
Common	05/28/2004		S		5,000	D	\$23.22	0.00	D	

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. Transaction Code (Instr. 8)		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)	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
Stock Option (right to buy)	\$0.00 ⁽¹⁾⁽²⁾	05/28/2004		M			5,000	08/08/1988	08/08/1988	Common	5,000	\$0	297,346	D	
Stock Option (right to buy)	\$27.11							08/08/1988	11/13/2013	Common	35,000		35,000	D	
Stock Option (right to buy)	\$29.93							01/05/2005	01/06/2014	Common	15,000		15,000	D	
Stock Option (right to buy)	\$16.88							08/08/1988	11/22/2012	Common	30,000		30,000	D	
Stock Option (right to Buy)	\$12.97							08/08/1988	08/08/1988	Common	482		482	D	
Stock Option (Right to Buy)	\$17.6							08/08/1988	07/01/2013	Common	50,375		50,375	D	

Explanation of Responses:

- 1. Stock Option Grants include multiple vest dates.
- 2. Option conversion price \$4.43 for option transactions reported on this filing.

Remarks:

By: Joseph M. Tocci / POA 06/01/2004

** Signature of Reporting Person Date

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.