BERTUCCI JOHN R

Check this box

if no longer

subject to

Form 5

Form 4

October 27, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

OMB APPROVAL

Number:

3235-0287

Expires:

January 31, 2005

0.5

Estimated average

burden hours per

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Section 16. Form 4 or obligations

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

1(b).

(Print or Type Responses)

may continue.

See Instruction

1. Name and Address of Reporting Person *BERTUCCI JOHN R			2. Issuer Name and Ticker or Trading Symbol MKS INSTRUMENTS INC [MKSI]				5. Relationship of Reporting Person(s) to Issuer			
(Last)	(First) (I	Middle) 3.]	3. Date of Earliest Transaction				(Check all applicable)			
2 TECH DRIVE			(Month/Day/Year) 10/25/2010				_X_ Director Officer (give below)		Owner er (specify	
			Amendment, Date Original d(Month/Day/Year)				6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person			
ANDOVER, MA 01810							Form filed by More than One Reporting Person			
(City)	(State)	(Zip)	Table I - Non-	Derivative	Secur	ities Acqı	uired, Disposed o	f, or Beneficial	ly Owned	
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	e 2A. Deemed Execution Da any (Month/Day/	Code	4. Securit or(A) or Di (Instr. 3,	sposed	of (D)	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)	
Common Stock	10/26/2010		S(1)	75,000	D	20.74 (2)	522,422	D		
Common Stock	10/25/2010		S <u>(1)</u>	75,000	D	\$ 20.64 (3)	1,227,788	I	By Spouse	

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

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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	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Title	and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transactio	onNumber	Expiration D	ate	Amoun	t of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underly	ying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securit	ies	(Instr. 5)	Bene
	Derivative				Securities			(Instr. 3	3 and 4)		Own
	Security				Acquired						Follo
	•				(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									A manuat		
									Amount		
						Date	Expiration		Or Number		
						Exercisable	Date		Number		
				C + V	(A) (D)				of		
				Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships						
1 6	Director	10% Owner	Officer	Other			
BERTUCCI JOHN R 2 TECH DRIVE ANDOVER, MA 01810	X						

Signatures

/s/Renee M. 10/27/2010 Donlan POA Date

**Signature of Reporting

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 was effected pursuant to a Rule 10b5-1 trading plan previously adopted by the reporting person.
- This transaction was executed in multiple trades at prices ranging from \$20.35 to \$20.98. The price reported above reflects the weighted (2) average sale price. The reporting person hereby undertakes to provide, upon request, the full information regarding the number of shares and prices at which the transaction was effected.
- This transaction was executed in multiple trades at prices ranging from \$20.46 to \$20.73. The price reported above reflects the weighted (3) average sale price. The reporting person hereby undertakes to provide, upon request, the full information regarding the number of shares and prices at which the transaction was effected.

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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