FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

	OMB APPROVAL										
	OMB Number:	3235-028									
ı	Estimated average b	urden									

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

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OMB Number:	3235-0287								
Estimated average burden									
hours per response:	0.5								

Name and Address of Reporting Person*     Loomis Paul						2. Issuer Name and Ticker or Trading Symbol  MKS INSTRUMENTS INC [ MKSI ]										Checl	k all appli Directo	cable) or	g Per	son(s) to Iss 10% Ov Other (s	vner
(Last) (First) (Middle) C/O 2 TECH DRIVE, SUITE 201						3. Date of Earliest Transaction (Month/Day/Year) 04/09/2013											Officer (give title below)  VP & G			below)	вреспу 
(Street) ANDOVER MA 01810  (City) (State) (Zip)						4. If Amendment, Date of Original Filed (Month/Day/Year)										. Indivine)	′				
		Tab	le I - No	n-Deriv	ative	e Se	curit	ies Ad	cqu	uired,	Dis	posed (	of, c	or Ben	efici	ally	Owned	t			
1. Title of Security (Instr. 3)				2. Transaction Date (Month/Day/Year)		2A. Deemed Execution Date, if any (Month/Day/Year)			Code (Instr.		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 5)						es ially Following	Forn (D) c	n: Direct or Indirect nstr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
										Code	v	Amount	(A) or (D) Pr		Price	•	Reported Transaction(s) (Instr. 3 and 4)				
Common Stock 04/					9/2013	2013				M		5,000	0 A		(	l)	10,912.213		D		
Common Stock 04/09/						2013			<b>F</b> <sup>(2)</sup>		1,63	1 D \$		\$26	5.06	9,281.213			D		
		Т	able II -									osed of onverti					wned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deeme Execution if any (Month/Day	Date,		ransaction Code (Instr.		n of		Date Ex piration lonth/Da	Date		7. Title and Amount of Securities Underlying Derivative Secu (Instr. 3 and 4)			De Se (Ir	Price of erivative ecurity nstr. 5)	9. Number derivative Securities Beneficial Owned Following Reported Transactio (Instr. 4)	ly	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				c	Code	v	(A)	(D)	Da Ex	ate xercisab		expiration pate	Title		Amour or Numbe of Shares	r					
Restricted Stock Unit	(1)	04/09/2013			M			5,000		(3)	T	(3)		nmon	5,000		(1)	0		D	

## **Explanation of Responses:**

- 1. Each restricted stock unit represents the contingent right to receive one share of common stock of MKS Instruments, Inc.
- 2. This transaction was effected pursuant to a Rule 10b5-1 trading plan previously adopted by the reporting person.
- 3. The RSUs vest three years after grant date.

/s/Renee M. Donlan POA 04/11/2013

\*\* 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.