FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL									
OMB Number:	3235-0287								
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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

1. Name and Address of Reporting Person* <u>SMITH JOHN ALEXANDER</u>						2. Issuer Name and Ticker or Trading Symbol MKS INSTRUMENTS INC [MKSI]									all applic Directo	or 10% C		vner		
(Last) 2 TECH	•	rst)	(Middle)			3. Date of Earliest Transaction (Month/Day/Year) 02/07/2011								X	officer below)	(give title Group	VP, A	Other (specification) VP, ASG		
(Street) ANDOV (City)			01810 (Zip)		4. 11	4. If Amendment, Date of Original Filed (Month/Day/Year)								. Indivine)	vidual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person					
		Tab	le I - No	n-Deriv	vative	e Se	curit	ies Ac	quired	l, Dis	sposed o	f, or Be	nefici	ally	Owned					
1. Title of Security (Instr. 3) 2. Transact Date (Month/Day						y/Year) if a		2A. Deemed Execution Date, if any (Month/Day/Year)		action (Instr.	4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4			l and 5) Securi Benefi Owned		es ally Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership	
									Code	v	Amount	(A) or (D)	Price	Reported Transaction (Instr. 3 and		tion(s)			(Instr. 4)	
Common Stock 02/07/2						2011		M		55,000) A \$2		.75	55,000		D				
Common Stock 02/07/2					/2011	2011		S		55,000	D	\$30.	03(1)	0		D				
		٦	Table II								osed of, converti				wned					
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deem Execution if any (Month/D	n Date,	4. Transa Code (I 8)		n of		6. Date Exercisal Expiration Date (Month/Day/Year		te	7. Title and Amou of Securities Underlying Derivative Securit (Instr. 3 and 4)		D S	Price of erivative ecurity nstr. 5)	9. Number derivative Securities Beneficial Owned Following Reported Transactio (Instr. 4)	e s lly	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Date Exercisa	able	Expiration Date	Title	Amount or Number of Shares	er						
Stock Option (Right to	\$24.75	02/07/2011			М			55,000	11/19/2	002	11/19/2011	Common Stock	55,00	00	\$0	0		D		

Explanation of Responses:

1. This transaction was executed in multiple trades at prices ranging from \$29.65 to \$30.62. The price reported above reflects the weighted 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.

/s/Renee M. Donlan POA 02/08/2011

** 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.