

MKS INSTRUMENTS INC  
 Form 3  
 March 06, 2014

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

OMB Number: 3235-0104  
 Expires: January 31, 2015  
 Estimated average burden hours per response... 0.5

**INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES**

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. Name and Address of Reporting Person * Â Quirk Brian Charles (Last) (First) (Middle)  2 TECH DRIVE, SUITE 201 (Street)  ANDOVER,Â MAÂ 01810 (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 03/01/2014	3. Issuer Name and Ticker or Trading Symbol MKS INSTRUMENTS INC [MKSI]	4. Relationship of Reporting Person(s) to Issuer  (Check all applicable) <input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other (give title below) (specify below) Sr. VP, Global Operations	5. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person
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**Table I - Non-Derivative Securities Beneficially Owned**

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	3,152.635	D	Â

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly. SEC 1473 (7-02)

**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 control number.**

**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable      Expiration Date	Title      Amount or Number of			

				Shares		(1) (Instr. 5)	
Restricted Stock Unit	Â (1)	Â (1)	Common Stock	17,040.25	\$ (2)	D	Â
Restricted Stock Unit	Â (3)	Â (3)	Common Stock	14,428.831	\$ (2)	D	Â

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Quirk Brian Charles 2 TECH DRIVE, SUITE 201 ANDOVER, MA 01810	Â	Â	Â Sr. VP, Global Operations	Â

## Signatures

/s/Renee M.  
Donlan POA

03/06/2014

\*\*Signature of Reporting  
Person

Date

## Explanation of Responses:

\* If the form is filed by more than one reporting person, *see* Instruction 5(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).

The RSUs vest in equal annual installments over three years from the respective original grant date. The amount above comprises of:

- (1) 2,113.136 which was granted on April 11, 2011; 4,938.407 which was granted on April 2, 2012; 3,962.536 which was granted on February 25, 2013; and 6,026.171 on February 10, 2014.
- (2) Each restricted stock unit represents the contingent right to receive one share of common stock of MKS Instruments, Inc.  
These RSUs are subject to the achievement of performance criteria determined in the first year of the grant and thereafter vests in equal
- (3) annual installments of over three years from the respective original grant date. The amount above comprises of 5,389.575 which was granted on on February 25, 2013 and 9,039.256 on February 10, 2014.

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.