BERTUCCI CLAIRE R Form SC 13G/A February 15, 2005

> SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

> > SCHEDULE 13G (RULE 13D-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO RULES 13D-1(B)(C), AND (D) AND AMENDMENTS THERETO FILED PURSUANT TO RULE 13D-(2)(B)

(AMENDMENT NO. 5)

MKS Instruments, Inc.

(Name of Issuer)

Common Stock

-----_____

(Title of Class of Securities)

55306N 10 4

_____ (CUSIP Number)

December 31, 2004

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

[] Rule 13d-1(b)

[] Rule 13d-1(c)

[X] Rule 13d-1(d)

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NAMES OF REPORTING PERSONS. 1 I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Claire R. Bertucci

_____ _____ 2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) [] (b) [] Not Applicable

4	CITIZENSHIP OR PLACE OF ORGANIZATION					
	United Sta	tes				
		5	SOLE VOTING POWER	SOLE VOTING POWER		
			0			
			6 SHARED VOTING POWER			
BENER	JMBER OF SHARE	BY	4,546,784(1)	4,546,784(1)		
EACH REPORTING PERSON WITH			SOLE DISPOSITIVE P			
			4,546,784(1)			
		8	SHARED DISPOSITIVE	POWER		
			0			
9	AGGREGATE	ATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
	9,558,000(9,558,000(1)				
10		CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*				
	PERCENT OF	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9				
17.8%(1)						
 12	TYPE OF RE	PORTING PE	 RSON*			
	IN					
*	See Instructions before filling out					
(1) CONSISTS OF SHARES BENEFICIALLY OWNED AS OF JANUARY 31, 2005. SHARES REPORTED IN ROW 9 ALSO INCLUDE 5,011,216 SHARES BENEFICIALLY OWNED BY JOHN R. BERTUCCI, MRS. BERTUCCI'S SPOUSE, AS OF JANUARY 31, 2005 WITH RESPECT TO WHICH MRS. BERTUCCI DISCLAIMS BENEFICIAL OWNERSHIP.						
CUSIP No. 55306N 10 4 13G Page 3 of				Page 3 of Page 6		
		Name of Issuer:				
		MKS Instruments, Inc.				
Item	1(b).	Address of	ess of Issuer's Principal Executive Offices:			
		90 Industr	ial Way			
		Wilmington, MA 01887				
Item 2(a). N		Name of Person Filing:				

Claire R. Bertucci

Item 2(b). Address of Principal Business Office or, if None, Residence: The address of the reporting persons is: c/o MKS Instruments, Inc. 90 Industrial Way Wilmington, MA 01887 Item 2(c). Citizenship: Mrs. Bertucci is a citizen of the United States. Title of Class of Securities: Item 2(d). Common Stock, no par value per share. Item 2(e). CUSIP Number: CUSIP No. 55306N 10 4 If This Statement is Filed Pursuant to Rule 13d-1(b), or Item 3. 13d-2(b) or (c), Check Whether the Person Filing is a: Not Applicable. (a) [] Broker or dealer registered under Section 15 of the Exchange Act. [] Bank as defined in Section 3(a)(6) of the Exchange (b) Act. Insurance company as defined in Section 3(a) (19) [] (C) of the Exchange Act. Investment company registered under Section 8 of (d) [] the Investment Company Act. CUSIP No. 55306N 10 4 13G Page 4 of Page 6 [] An investment adviser in accordance with Rule (e) 13d-1(b)(1)(ii)(E); An employee benefit plan or endowment fund in (f) [] accordance with Rule 13d- 1(b)(1)(ii)(F); [] A parent holding company or control person in (g) accordance with Rule 13d- 1(b)(1)(ii)(G); (h) [] A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act; [] A church plan that is excluded from the definition (i) of an investment company under Section 3(c)(14) of the Investment Company Act; (j) [] Group, in accordance with Rule 13d-1(b)(1)(ii)(J).

Item 4. Ownership:

The filing of this statement shall not be construed as an admission that any of the reporting persons are, for the purpose of Section 13(d) or 13(g) of the Act, the beneficial owners of any securities covered under this Statement.

- (a) Amount Beneficially Owned by Claire R. Bertucci: 9,558,000 shares(2)
- (b) Percent of Class: 17.8%(2)
- (c) Number of Shares as to which Claire R. Bertucci has:
 - (i) Sole power to vote or to direct the vote: 0 shares

(ii) Shared power to vote or to direct the vote: 9,558,000 shares(2)

(iii) Sole power to dispose or to direct the disposition of: 9,558,000(2) shares

(iv) Shared power to dispose or to direct the disposition of: 0 shares $% \left({\left[{{{\left[{{{\left[{{{c_{{\rm{s}}}}} \right]}}} \right]_{\rm{s}}}} \right]_{\rm{s}}} \right)$

Item 5. Ownership of Five Percent or Less of a Class.

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If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than 5% of the class of securities, check the following: [].

(2) CONSISTS OF SHARES BENEFICIALLY OWNED AS OF JANUARY 31, 2005. SHARES REPORTED IN ROW 4(a) ALSO INCLUDE 5,011,216 SHARES BENEFICIALLY OWNED BY JOHN R. BERTUCCI, MRS. BERTUCCI'S SPOUSE, AS OF JANUARY 31, 2005 WITH RESPECT TO WHICH MRS. BERTUCCI DISCLAIMS BENEFICIAL OWNERSHIP.

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Item 6.	Ownership of More than Five Percent on Behalf of Another Person.
	Not applicable
Item 7.	Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company.
	Not applicable
Item 8.	Identification and Classification of Members of the Group.
	Not applicable
Item 9.	Notice of Dissolution of Group.
	Not applicable
Item 10.	Certification.
	Not applicable

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SIGNATURES

After reasonable inquiry and to the best of the knowledge and belief of each of the undersigned, each of the undersigned hereby certifies that the information set forth in this statement is true, complete and correct.

Dated: February 15, 2005

/s/ Claire R. Bertucci

Claire R. Bertucci