

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. 2)

MKS INSTRUMENTS, INC.

-----  
(Name of Issuer)

COMMON STOCK

-----  
(Title of Class of Securities)

55306N 10 4

-----  
(CUSIP Number)

DECEMBER 31, 2001

-----  
(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)

Rule 13d-1(d)

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

John R. Bertucci

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP\*

(a) [ ]

(b) [X]

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

United States

5 SOLE VOTING POWER

5,912,226

NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY  
EACH  
REPORTING  
PERSON  
WITH

6 SHARED VOTING POWER

1,978,056

7 SOLE DISPOSITIVE POWER

5,912,226

8 SHARED DISPOSITIVE POWER

1,978,056

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

7,890,282

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES\*

Not Applicable

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

20.74%

12 TYPE OF REPORTING PERSON\*

IN

\* See Instructions before filling out.

1 NAMES OF REPORTING PERSONS.  
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) [X]

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

United States

5 SOLE VOTING POWER

5,552,946

NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY  
EACH  
REPORTING  
PERSON  
WITH

6 SHARED VOTING POWER

1,978,056

7 SOLE DISPOSITIVE POWER

5,552,946

8 SHARED DISPOSITIVE POWER

1,978,056

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

7,531,002

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES\*

Not Applicable

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

19.79%

12 TYPE OF REPORTING PERSON\*

IN

\* See Instructions before filling out.

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

Richard S. Chute

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP\*

(a) [ ]  
(b) [X]

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

United States

5 SOLE VOTING POWER

31,092

NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY  
EACH  
REPORTING  
PERSON  
WITH

6 SHARED VOTING POWER

1,478,056

7 SOLE DISPOSITIVE POWER

31,092

8 SHARED DISPOSITIVE POWER

1,478,056

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

1,509,148

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES\*

Not Applicable

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

3.97%

12 TYPE OF REPORTING PERSON\*

IN

\* See Instructions before filling out.

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

Thomas H. Belknap

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP\*

(a) [ ]  
(b) [X]

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

United States

5 SOLE VOTING POWER

350

NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY  
EACH  
REPORTING  
PERSON  
WITH

6 SHARED VOTING POWER

1,478,056

7 SOLE DISPOSITIVE POWER

350

8 SHARED DISPOSITIVE POWER

1,478,056

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

1,478,406

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES\*

Not Applicable

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

3.88%

12 TYPE OF REPORTING PERSON\*

IN

\* See Instructions before filling out.

Item 1(a). Name of Issuer:

MKS Instruments, Inc.

ITEM 1(b). ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES:

Six Shattuck Road  
Andover, MA 01810

ITEM 2(a). NAME OF PERSON FILING:

John R. Bertucci; Claire R. Bertucci; Richard S. Chute;  
Thomas H. Belknap.

ITEM 2(b). ADDRESS OF PRINCIPAL BUSINESS OFFICE OR, IF NONE, RESIDENCE:

The address of the reporting persons is:

c/o MKS Instruments, Inc.  
Six Shattuck Road  
Andover, MA 01810

ITEM 2(c). CITIZENSHIP:

Mr. and Mrs. Bertucci, Mr. Chute, and Mr. Belknap are  
citizens of the United States.

ITEM 2(d). TITLE OF CLASS OF SECURITIES:

Common Stock, no par value per share.

ITEM 2(e). CUSIP NUMBER:

CUSIP No. 55306N 10 4

ITEM 3. IF THIS STATEMENT IS FILED PURSUANT TO RULE 13d-1(b), OR 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.
- (b) [ ] Bank as defined in Section 3(a)(6) of the Exchange Act.
- (c) [ ] Insurance company as defined in Section 3(a)(19) of the Exchange Act.
- (d) [ ] Investment company registered under Section 8 of the Investment Company Act.
- (e) [ ] An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E);
- (f) [ ] An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F);
- (g) [ ] A parent holding company or control person in 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;
- (i) [ ] A church plan that is excluded from the definition 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 John R. Bertucci 7,890,282 shares
- (b) Percent of Class: 20.74%
- (c) Number of Shares as to which John R. Bertucci has:
  - (i) Sole power to vote or to direct the vote: 5,912,226 shares
  - (ii) Shared power to vote or to direct the vote: 1,978,056 shares
  - (iii) Sole power to dispose or to direct the disposition of: 5,912,226 shares

- (iv) Shared power to dispose or to direct the disposition of: 1,978,056 shares
- (a) Amount Beneficially Owned by Claire R. Bertucci  
7,531,002 shares
- (b) Percent of Class: 19.79%
- (c) Number of Shares as to which Claire R. Bertucci has:
  - (i) Sole power to vote or to direct the vote:  
5,552,946 shares
  - (ii) Shared power to vote or to direct the vote:  
1,978,056 shares
  - (iii) Sole power to dispose or to direct the disposition of: 5,552,946 shares
  - (iv) Shared power to dispose or to direct the disposition of: 1,978,056 shares
- (a) Amount Beneficially Owned by Richard S. Chute  
1,509,148 shares
- (b) Percent of Class: 3.97%
- (c) Number of Shares as to which Richard S. Chute has:
  - (i) Sole power to vote or to direct the vote:  
31,092 shares
  - (ii) Shared power to vote or to direct the vote:  
1,478,056 shares
  - (iii) Sole power to dispose or to direct the disposition of: 31,092 shares
  - (iv) Shared power to dispose or to direct the disposition of: 1,478,056 shares
- (a) Amount Beneficially Owned by Thomas H. Belknap  
1,478,406 shares
- (b) Percent of Class: 3.88%
- (c) Number of Shares as to which Thomas H. Belknap has:
  - (i) Sole power to vote or to direct the vote:  
350 shares
  - (ii) Shared power to vote or to direct the vote:  
1,478,056 shares
  - (iii) Sole power to dispose or to direct the disposition of: 350 shares
  - (iv) Shared power to dispose or to direct the disposition of: 1,478,056 shares

## ITEM 5. OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS.

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: [X].

Mr. Richard S. Chute and Mr. Thomas H. Belknap have ceased to be beneficial owners of more than 5% of the class of securities.

## ITEM 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON.

John R. Bertucci, Claire R. Bertucci, and certain of their family members, with respect to shares held by certain trusts, have the right to receive the dividends and proceeds from sales of shares held by such trusts.

## 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.

This Schedule 13G is being filed jointly pursuant to Rule 13d-1(k). As a result of the relationship among the Filing Persons described herein, some or all of the Filing Persons may be deemed to comprise a "group" within the meaning of Section 13 and the Rules promulgated thereunder. However, the Filing Persons deny such group status.

## ITEM 9. NOTICE OF DISSOLUTION OF GROUP.

Not applicable

## ITEM 10. CERTIFICATION.

Not applicable

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 11, 2002

/s/ John R. Bertucci  
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John R. Bertucci

/s/ Claire R. Bertucci  
-----  
Claire R. Bertucci

/s/ Richard S. Chute  
-----  
Richard S. Chute

/s/ Thomas H. Belknap  
-----  
Thomas H. Belknap

AGREEMENT

Pursuant to Rule 13d-1(k)(1) under the Securities Exchange Act of 1934, as amended, the undersigned hereby agree that only one statement containing the information required by Schedule 13G needs be filed with respect to the ownership by each of the undersigned of the shares of Common Stock of MKS Instruments, Inc.

EXECUTED as a sealed instrument this 11th day of February, 2002.

/s/ John R. Bertucci

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John R. Bertucci

/s/ Claire R. Bertucci

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Claire R. Bertucci

/s/ Richard S. Chute

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Richard S. Chute

/s/ Thomas H. Belknap

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Thomas H. Belknap