

BOSTON SCIENTIFIC CORP  
Form SC 13G/A  
February 17, 2004

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UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549

SCHEDULE 13G

INFORMATION STATEMENT PURSUANT TO RULES 13D-1 AND 13D-2  
UNDER THE SECURITIES EXCHANGE ACT OF 1934

(AMENDMENT NO. 1 )1  
-

EP MEDSYSTEMS, INC.

-----  
(Name of Issuer)

Common Stock, no par value, stated at \$0.001 per share

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

026881P103

-----  
(CUSIP Number)

December 31, 2003

-----  
(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 / The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

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CUSIP NO. 026881P103  
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13G

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PAGE 2 OF 6  
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1 NAMES OF REPORTING PERSONS  
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)

Boston Scientific Corporation  
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2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

N/A

(a)

(b)

3 SEC USE ONLY  
-----

4 CITIZENSHIP OR PLACE OF ORGANIZATION

The State of Delaware  
-----

5 SOLE VOTING POWER

1,481,028  
-----

NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY  
EACH  
REPORTING  
PERSON  
WITH

6 SHARED VOTING POWER

0  
-----

7 SOLE DISPOSITIVE POWER

1,481,028  
-----

8 SHARED DISPOSITIVE POWER

0  
-----

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

1,481,028  
-----

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES  
(SEE INSTRUCTIONS)

N/A  
-----

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

8%  
-----

12 TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

CO  
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CUSIP NO. 026881P103  
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13G

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PAGE 3 OF 6  
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ITEM 1(A). NAME OF ISSUER:

EP MedSystems, Inc., a New Jersey corporation (the "Company")

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

100 Stierli Court  
Mount Arlington, NJ 07856

ITEM 2(A). NAME OF PERSON FILING:

Boston Scientific Corporation

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

One Boston Scientific Place  
Natick, MA 01760-1537

ITEM 2(C). CITIZENSHIP:

The State of Delaware

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

Common Stock, no par value, stated value \$0.001 per share,  
(the "shares")

ITEM 2(E). CUSIP NUMBER:

026881P103

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CUSIP NO. 026881P103  
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13G

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PAGE 4 OF 6  
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ITEM 3. IF THIS STATEMENT IS FILED PURSUANT TO RULES 13D-1(B), OR 13D-2(B), CHECK WHETHER THE PERSON FILING IS A:

- (a)  Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o).
- (b)  Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c).
- (c)  Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).



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ITEM 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP:

Not applicable.

ITEM 9. NOTICE OF DISSOLUTION OF A GROUP:

Not applicable.

ITEM 10. CERTIFICATION:

By signing below I certify that, to the best of my knowledge and belief the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connections with or as a participant in any transaction having that purpose or effect.

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CUSIP NO. 026881P103  
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13G

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PAGE 6 OF 6  
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SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

February 17, 2004

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(Date)

By: /s/ Lawrence J. Knopf

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Name: Lawrence J. Knopf  
Title: Vice President and Assistant  
General Counsel