BOSTON SCIENTIFIC CORP Form SC 13G February 14, 2003

SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

SCHEDULE 13G

UNDER THE SECURITIES EXCHANGE ACT OF 1934
(AMENDMENT NO.)(1)

ASPECT MEDICAL SYSTEMS, INC.

(Name of Issuer)

Common Stock, \$0.01 par value per share

(Title or Class of Securities)

045235108

(CUSIP Number)

December 31, 2002

(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)
- [x] 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).

1 NAMES OF REPORTING PERSONS

Boston Scientific Corporation

I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)

04-2695240

2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*						
				(A) (B)	[]		
3	SEC USE ONLY						
4	CITIZENSHIP OR PI	ACE OF OF	RGANIZATION				
		5	SOLE VOTING POWER				
			3,386,583				
	NUMBER OF	6	SHARED VOTING POWER				
	SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH		0				
		7	SOLE DISPOSITIVE POWER				
			3,386,583				
		8	SHARED DISPOSITIVE POWER				
			0				
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON						
	3,386,583						
10	CHECK BOX IF THE	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*					
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)						
	17.5%						
12	TYPE OF REPORTING PERSON*						
	CO						
	*SEE	INSTRUCTI	ONS BEFORE FILLING OUT!				
ITEM 3	1(A). NAME OF ISS	SUER:					
	Aspect Medi	.cal Syste	ems, Inc.				
ITEM 3	1(B). ADDRESS OF	ISSUER'S	PRINCIPAL EXECUTIVE OFFICES:	:			
	1/11 Noodha	Stroot	Nowton MA 02462-1505				

ITEM 2(A). NAME OF PERSON FILING:

Boston Scientific Corporation

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

One Boston Scientific Place, Natick, MA 01760-1537

ITEM 2(C). CITIZENSHIP:

Delaware, United States of America

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

Common Stock, par value \$0.01 per share, of Aspect Medical Systems, Inc.

ITEM 2(E). CUSIP NUMBER:

045235108

- 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. 780).
- (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).
- (d) [] Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C 80a-8).
- (e) [] An investment adviser in accordance withss.240.13d-1(b)(1)(ii)(E);
- (f) [] An employee benefit plan or endowment fund in accordance withss.240.13d-1(b)(1)(ii)(F);
- (g) [] A parent holding company or control person in accordance withss.240.13d-1(b)(1)(ii)(G);
- (i) [] A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C.80a-3);
- (j) [] Group, in accordance withss.240.13d-1(b)(1)(ii)(J).

If this statement is filed pursuant to Rule 13d-1, check this box. [X]

ITEM 4. OWNERSHIP:

- (a) Amount beneficially owned: 3,386,583
- (b) Percent of class: 17.5%

- (c) Number of shares as to which such person has:
 - (i) Sole Power to vote or to direct the vote: 3,386,583
 - (ii) Shared power to vote or to direct the vote:0
 - (iii) Sole power to dispose or to direct the disposition of: 3,386,583
 - (iv) Shared power to dispose or to direct the disposition of:0
- ITEM 5. OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS:

Not applicable

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. CERTIFICATIONS:

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 connection with or as a participant in any transaction having that purpose or effect.

SIGNATURE

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

February 14, 2003 -----(Date)

/s/ Lawrence J. Knopf

Name: Lawrence J. Knopf

Title: Vice President and Assistant

General Counsel