

SIRONA DENTAL SYSTEMS, INC.
 Form 3
 December 17, 2009

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

OMB APPROVAL

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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 MDCP GLOBAL
 AGGREGATOR, L.P.

(Last) (First) (Middle)

C/O MADISON DEARBORN
 PARTNERS, LLC,Â THREE
 FIRST NATIONAL PLAZA,
 SUITE 4600

(Street)

CHICAGO,Â ILÂ 60602

(City) (State) (Zip)

2. Date of Event Requiring Statement

(Month/Day/Year)
 12/10/2009

3. Issuer Name and Ticker or Trading Symbol
 SIRONA DENTAL SYSTEMS, INC. [SIRO]

4. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

___ Director ___X___ 10% Owner
 ___ Officer ___ Other
 (give title below) (specify below)

5. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 ___X___ Form filed by One Reporting Person
 ___ Form filed by More than One Reporting Person

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 | 28,347,480 | I | See footnotes ⁽¹⁾ |

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 | 3. Title and Amount of Securities Underlying | 4. Conversion | 5. Ownership | 6. Nature of Indirect Beneficial Ownership |
|---|---|--|---------------|--------------|--|
|---|---|--|---------------|--------------|--|

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| (Month/Day/Year) | Derivative Security (Instr. 4) | or Exercise Price of Derivative Security | Form of Derivative Security: Direct (D) or Indirect (I) | (Instr. 5) |
|---------------------|-----------------------------------|---|--|------------|
| Date Exercisable | Expiration Date | Title | Amount or Number of Shares | |

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

MDCP GLOBAL AGGREGATOR, L.P.
 C/O MADISON DEARBORN PARTNERS, LLC
 THREE FIRST NATIONAL PLAZA, SUITE 4600
 CHICAGO, IL 60602

Â Â X Â Â

Signatures

MDP Global Investors Limited, by /s/ Mark Tresnowski, its Managing Director

12/17/2009

__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).
- MDCP IV Global Investments LP transferred its interests in Sirona Holdings Luxco S.C.A. ("Luxco") to MDCP Global Aggregator, L.P. ("MDCP Aggregator") on December 10, 2009, in order to simplify certain U.S. withholding tax certification requirements. As a result,
- (1) MDCP Aggregator may be deemed to share voting and dispositive power of the shares of Common Stock of Sirona Dental Systems, Inc. that are held by Luxco. MDCP Aggregator disclaims beneficial ownership of such shares except to the extent of its pecuniary interest therein.

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.