

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL

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or Section 30(h) of the Investment Company Act of 1940

| | | | |
|--|---|---|---|
| 1. Name and Address of Reporting Person* <u>McCarthy Justin H II</u> | 2. Date of Event Requiring Statement (Month/Day/Year) 02/19/2016 | 3. Issuer Name and Ticker or Trading Symbol <u>DENTSPLY INTERNATIONAL INC /DE/ [XRAY]</u> | |
| | | 4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>General Counsel & Secretary</u> | 5. If Amendment, Date of Original Filed (Month/Day/Year) |
| (Last) (First) (Middle) <u>221 WEST PHILADELPHIA STREET</u> <u>SUITE 60W</u> | | | 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person |
| (Street) <u>YORK PA 17401</u> | | | |
| (City) (State) (Zip) | | | |

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) |
|---------------------------------|---|--|---|

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 (Month/Day/Year) | | 3. Title and Amount of Securities Underlying Derivative Security (Instr. 4) | | 4. Conversion or Exercise Price of Derivative Security | 5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|--|--|-----------------|---|----------------------------|--|--|---|
| | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | | | |
| RSU (Restricted Stock Unit) | (1) | (2) | Common Stock | 2,043 | 0 | D | |
| Stock Option | 12/12/2007 ⁽³⁾ | 12/12/2016 | Common Stock | 4,250 | 31.36 | D | |
| Stock Option | 12/10/2008 ⁽³⁾ | 12/10/2017 | Common Stock | 3,400 | 45.15 | D | |
| Stock Option | 12/08/2009 ⁽³⁾ | 12/08/2018 | Common Stock | 4,700 | 25.91 | D | |
| Stock Option | 12/08/2010 ⁽³⁾ | 12/08/2019 | Common Stock | 4,400 | 33.86 | D | |
| Stock Option | 02/11/2012 ⁽³⁾ | 02/11/2021 | Common Stock | 2,800 | 36.62 | D | |
| Stock Option | 02/22/2013 ⁽³⁾ | 02/22/2022 | Common Stock | 2,600 | 38.74 | D | |
| Stock Option | 02/25/2014 ⁽³⁾ | 02/25/2023 | Common Stock | 1,200 | 40.86 | D | |
| Stock Option | 02/24/2015 ⁽³⁾ | 02/24/2024 | Common Stock | 1,200 | 45.11 | D | |
| Stock Option | 02/23/2016 ⁽³⁾ | 02/23/2025 | Common Stock | 900 | 52 | D | |

Explanation of Responses:

- Vests in full (restrictions lapse) 3 years from date of grant. (780 granted 2/25/2013; 686 granted 2/24/2014; & 577 granted 2/23/2015.)
- Not applicable to this transaction.
- Shares vest in annual one-third (1/3) increments over a three-year period from date of grant.

Justin H. McCarthy II02/19/2016

** Signature of Reporting Person

Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.