

Sullivan Martha N.  
Form 4  
April 16, 2010

**FORM 4** UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

OMB APPROVAL

OMB Number: 3235-0287  
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN 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 \*  
Sullivan Martha N.

2. Issuer Name and Ticker or Trading Symbol  
Sensata Technologies Holding N.V.  
[ST]

5. Relationship of Reporting Person(s) to Issuer  
  
(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction  
(Month/Day/Year)  
04/14/2010

\_\_\_\_ Director  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
Executive VP and COO

C/O SENSATA TECHNOLOGIES, INC., 529 PLEASANT STREET  
  
(Street)

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

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

ATTLEBORO, MA 02703

(City) (State) (Zip)

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

| 1. Title of Security (Instr. 3)               | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---|--------------------------------------|--|--------------------------------|---|---|--|---|
|   |                                      |  |                                | (A) or (D)  | Price   |  |   |
| Ordinary Shares, par value EUR 0.01 per share | 04/14/2010                           |  | S                              | 59,832  | D   | \$ 16.92   | 83,277 <sup>(1)</sup> <sup>(2)</sup> D                |

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

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**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned**  
(e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | 8. Amount or Number of Shares |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|-------------------------------|
| Stock Options to Buy                       | \$ 6.99  | 04/14/2010                           |  | M                              | 59,832  | <sup>(3)</sup> 05/16/2016                                | Ordinary Shares, par value EUR 0.01 per share                 | 59,832                        |

## Reporting Owners

| Reporting Owner Name / Address   | Relationships |           |                      |       |
|--|---------------|-----------|----------------------|-------|
|  | Director      | 10% Owner | Officer              | Other |
| Sullivan Martha N.<br>C/O SENSATA TECHNOLOGIES, INC.<br>529 PLEASANT STREET<br>ATTLEBORO, MA 02703 |               |           | Executive VP and COO |       |

## Signatures

/s/ Maura Moroni by power of attorney  
Date: 04/16/2010

\*\*Signature of Reporting Person Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, see Instruction 4(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).
- The reporting person acquired 59,832 ordinary shares upon the exercise of an equal number of employee stock options. Immediately,
- (1) thereafter, the reporting person sold such ordinary shares in connection with the exercise by the underwriters of their over-allotment option relating to the issuer's initial public offering.
  - (2) Consists of 74,300 unvested restricted securities.
  - (3) These options are currently exercisable.
  - (4) 857,759 of these options are currently exercisable.

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.