Sullivan Martha N. Form 4 March 04, 2011

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

OMB APPROVAL OMB 3235-0287

Washington, D.C. 20549 Number: Expires:

January 31, 2005

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF subject to **SECURITIES** Section 16. Form 4 or

Estimated average burden hours per response... 0.5

Form 5 obligations may continue. See Instruction

Check this box

if no longer

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Sullivan Martha N. Issuer Symbol Sensata Technologies Holding N.V. (Check all applicable) [ST] 3. Date of Earliest Transaction (Last) (First) (Middle) Director 10% Owner X_ Officer (give title Other (specify (Month/Day/Year) below) C/O SENSATA TECHNOLOGIES, 03/02/2011 President and COO

INC., 529 PLEASANT STREET

(Street)

4. If Amendment, Date Original

Filed(Month/Day/Year)

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

6. Individual or Joint/Group Filing(Check

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 Acomor Disposed of (Instr. 3, 4 and (A) or Amount (D)	(D) 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)			
Ordinary Shares, par value EUR 0.01 per share	03/02/2011		M	13,833 A	\$ 6.99	73,273 (1)	D				
Ordinary Shares, par value EUR 0.01 per share	03/02/2011		S	13,833 D	\$ 31.9898	59,440 (1)	D				

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

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SEC 1474 (9-02)

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. Transactic Code (Instr. 8)	5. Number of orDerivative 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)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Options to Buy	\$ 6.99	03/02/2011		M	13,833	<u>(2)</u>	05/16/2016	Ordinary Shares, par value EUR 0.01 per share	13,833

Reporting Owners

Relationships Reporting Owner Name / Address

> Director 10% Owner Officer Other

> > President and COO

Sullivan Martha N.

C/O SENSATA TECHNOLOGIES, INC. **529 PLEASANT STREET**

ATTLEBORO, MA 02703

Signatures

/s/ Maura Moroni by power of 03/04/2011 attorney

**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).
- (1) Includes 59,440 shares of unvested restricted stock.
- (2) These options are currently exercisable.
- (3) 985,221 of these options are currently exercisable.

Reporting Owners 2

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In addition to the options reported herein, the reporting person beneficially owns 200,000 employee stock options to purchase an equal number of ordinary shares at an exercise price \$14.80 per ordinary share, which options vest in five equal annual installments beginning September 4, 2010.

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.