Sullivan Martha N. Form 4 November 19, 2010

November 19, 2010 **OMB APPROVAL** UNITED STATES SECURITIES AND EXCHANGE COMMISSION **OMB** 3235-0287 Washington, D.C. 20549 Number: Check this box January 31, Expires: if no longer 2005 STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF subject to Estimated average **SECURITIES** Section 16. burden hours per Form 4 or response... 0.5 Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction 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, 11/17/2010 President and COO INC., 529 PLEASANT STREET (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting ATTLEBORO, MA 02703

(City)	(State)	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)	Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) (A) or		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	11/17/2010		Code V M	Amount 120,327	(D)	Price \$ 6.99	203,604 (1)	D		
Ordinary Shares, par value EUR 0.01 per share	11/17/2010		S	144,164	D	\$ 23.136	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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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	11/17/2010		M		120,327	(2)	05/16/2016	Ordinary Shares, par value EUR 0.01 per share	120,327

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Sullivan Martha N. C/O SENSATA TECHNOLOGIES, INC. 529 PLEASANT STREET ATTLEBORO, MA 02703

President and COO

Signatures

/s/ Maura Moroni by power of attorney 11/19/2010

**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).
- (1) Includes 59,440 shares of unvested restricted stock.
- (2) These options are currently exercisable.
- (3) 1,063,273 of these options are currently exercisable.
- (4) 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 of \$14.80 per ordinary share, which options vest in five equal annual installments

Reporting Owners 2

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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.