WROE THOMAS JR

Form 4

Ordinary Shares, par

value EUR

0.01 per share

December 21, 2012

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 WROE THOMAS JR Issuer Symbol Sensata Technologies Holding N.V. (Check all applicable) [ST] 3. Date of Earliest Transaction (Last) (First) (Middle) _X_ Director 10% Owner Other (specify X_ Officer (give title (Month/Day/Year) below) C/O SENSATA TECHNOLOGIES. 12/19/2012 Chief Executive Officer INC, 529 PLEASANT STREET (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Applicable Line) Filed(Month/Day/Year) _X_ Form filed by One Reporting Person Form filed by More than One Reporting ATTLEBORO, MA 02703 Person (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 2. Transaction Date 2A. Deemed 1. Title of 3. 4. Securities Acquired 5. Amount of 6. Ownership 7. Nature of Security (Month/Day/Year) Execution Date, if Transaction(A) or Disposed of (D) Securities Form: Direct Indirect (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially (D) or Beneficial (Month/Day/Year) (Instr. 8) Indirect (I) Ownership Owned (Instr. 4) **Following** (Instr. 4) Reported (A) Transaction(s) (Instr. 3 and 4) Price (D) Code V Amount Ordinary Shares, par 13,610 S value EUR 12/19/2012 D 32.2 119,085 (3) D (1) (2) 0.01 per share

By a

Family Trust

20,000

I

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

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.

SEC 1474 (9-02)

> 9. Nu Deriv Secur Bene Own Follo Repo Trans

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

| Title of | 2. | 3. Transaction Date | 3A. Deemed | 4. | 5. | Date Exerc | cisable and | 7. Title | e and | 8. Price of | 9 |
|------------------------------|-------------|---------------------|--------------------|-----------------------|------------|------------------------------|-------------|----------|----------|-------------|---|
| Derivative | Conversion | (Month/Day/Year) | Execution Date, if | Transacti | orNumber | Expiration Da | ate | Amou | nt of | Derivative | J |
| Security | or Exercise | | any | Code | of | (Month/Day/ | Year) | Under | lying | Security | , |
| (Instr. 3) | Price of | | (Month/Day/Year) | (Instr. 8) Derivative | | . | | Securi | ties | (Instr. 5) |] |
| | Derivative | | | | Securities | | | (Instr. | 3 and 4) | | (|
| | Security | | | | Acquired | | | | | | J |
| | | | | | (A) or | | | | | | J |
| | | | | | Disposed | | | | | | 7 |
| | | | | | of (D) | | | | | | (|
| | | | | | (Instr. 3, | | | | | | |
| | | | | | 4, and 5) | | | | | | |
| | | | | | | | | | Amount | | |
| | | | | | | | | | or | | |
| | | | | | | Date Expiration | | | Number | | |
| | | | | | | Exercisable Date | | of | | | |
| | | | | Code V | (A) (D) | | | | Shares | | |
| | | | | Code v | (A) (D) | | | | Shares | | |

Reporting Owners

| D 41 0 N / 1 1 1 | Relationships |
|--------------------------------|---------------|
| Reporting Owner Name / Address | • |

X

Director 10% Owner Officer Other

WROE THOMAS JR C/O SENSATA TECHNOLOGIES, INC 529 PLEASANT STREET ATTLEBORO, MA 02703

Ch

Chief Executive Officer

Signatures

/s/ Joseph Baillargeon by Power of Attorney

12/21/2012

**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) The transaction being reported on this Form 4 was made through a 10B5-1 Sales Plan to cover taxes due by the reporting person upon vesting of restricted stock awards.
- (2) Represents a weighted average purchase price. The shares were purchased in multiple transactions at prices ranging from \$32.13 to \$32.30, inclusive.
- (3) Includes 58,800 shares of unvested restricted stock that are subject to performance conditions.

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.

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