Hureau Robert Paul Form 4 April 16, 2010

FORM 4

OMB APPROVAL

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549 Check this box

OMB 3235-0287 Number:

if no longer subject to Section 16. Form 4 or

January 31, Expires: 2005

Estimated average burden hours per response... 0.5

10% Owner

Other (specify

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

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 *

Hureau Robert Paul

2. Issuer Name and Ticker or Trading Symbol

Sensata Technologies Holding N.V.

[ST]

(Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year)

04/14/2010

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

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

(Street)

(State)

4. If Amendment, Date Original

Filed(Month/Day/Year)

below) below) Chief Accounting Officer

6. Individual or Joint/Group Filing(Check Applicable Line)

Director

X_ Officer (give title

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

Person

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

ATTLEBORO, MA 02703

1. Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3) (Month/Day/Year)

(Zip)

4. Securities Acquired 3. Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)

5. Amount of Securities Beneficially Owned Following Reported

Transaction(s)

6. Ownership 7. Nature of Form: Direct Indirect (D) or Beneficial Indirect (I) Ownership (Instr. 4) (Instr. 4)

(A) or Code V Amount (D)

(Instr. 3 and 4) Price

Ordinary Shares, par

(City)

value EUR 04/14/2010 0.01 per

S

37,100 (1) (2)

share

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

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(9-02)

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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 ction Derivative Securities 8) 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	\$ 7.3	04/14/2010		M		7,370	(3)	03/28/2017	Ordinary Shares, par value EUR 0.01 per share	7,370

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Hureau Robert Paul C/O SENSATA TECHNOLOGIES, INC. 529 PLEASANT STREET ATTLEBORO, MA 02703

Chief Accounting Officer

8. F Der Sec (Ins

Signatures

/s/ Maura Moroni by power of attorney 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 7,370 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 unvested restricted securities.
- (3) These options are currently exercisable.
- (4) 60,444 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.

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