

Hureau Robert Paul  
 Form 3  
 March 10, 2010

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

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**INITIAL STATEMENT OF 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)

<p>1. Name and Address of Reporting Person *</p> <p>Â Hureau Robert Paul</p> <p>(Last) (First) (Middle)</p> <p>C/O SENSATA                  TECHNOLOGIES, INC., Â 529                  PLEASANT STREET</p> <p>(Street)</p> <p>ATTLEBORO, Â MA Â 02703</p> <p>(City) (State) (Zip)</p>	<p>2. Date of Event Requiring Statement</p> <p>(Month/Day/Year)</p> <p>03/10/2010</p>	<p>3. Issuer Name and Ticker or Trading Symbol</p> <p>Sensata Technologies Holding N.V. [ST]</p>	<p>4. Relationship of Reporting Person(s) to Issuer</p> <p>(Check all applicable)</p> <p><input type="checkbox"/> Director <input type="checkbox"/> 10% Owner  <input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other                  (give title below) (specify below)                  Chief Accounting Officer</p>	<p>5. If Amendment, Date Original Filed(Month/Day/Year)</p>	<p>6. Individual or Joint/Group Filing(Check Applicable Line)</p> <p><input checked="" type="checkbox"/> Form filed by One Reporting Person  <input type="checkbox"/> Form filed by More than One Reporting Person</p>
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**Table I - Non-Derivative Securities Beneficially Owned**

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Ordinary Shares, par value EUR 0.01 per share	37,100 <sup>(1)</sup>	D	Â

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

SEC 1473 (7-02)

**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.**

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

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security	4. Conversion or Exercise	5. Ownership Form of	6. Nature of Indirect Beneficial Ownership (Instr. 5)
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	Date Exercisable	Expiration Date	(Instr. 4) Title	Amount or Number of Shares	Price of Derivative Security	Derivative Security: Direct (D) or Indirect (I) (Instr. 5)
Stock Options to Buy	Â (2)	03/28/2017	Ordinary Shares	125,323 (2)	\$ 7.3	D Â
Stock Options to Buy	Â (3)	09/04/2019	Ordinary Shares	100,000 (3)	\$ 14.8	D Â

## 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	Â	Â	Â Chief Accounting Officer	Â

## Signatures

/s/ Robert Paul  
Hureau

03/10/2010

\*\*Signature of  
Reporting Person

Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, *see* Instruction 5(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) Consists of unvested restricted ordinary shares granted to the reporting person on December 9, 2009. The restricted ordinary shares vest in five equal annual installments beginning one year from the date of grant.  
  
Consists of 41,774 Tranche I options and 83,549 Tranche II options granted to the reporting person on March 28, 2007. The Tranche I options vest as follows: 40% upon the second anniversary of the date of grant and 20% upon each of the third, fourth and fifth anniversaries of the date of grant. Vesting of Tranche II options is conditioned upon the achievement of a performance target at which time they become subject to time vesting in the same manner as the Tranche I options. 16,710 of the Tranche I options have vested; no Tranche II options have vested.
  - (2)
  - (3) Consists of Tranche I options granted to the reporting person on September 4, 2009. The Tranche I options vest in five equal annual installments beginning one year from the date of grant.

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.