

Creighton Christine Frances  
 Form 3  
 July 22, 2011

**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)

1. Name and Address of Reporting Person *		2. Date of Event Requiring Statement	3. Issuer Name <b>and</b> Ticker or Trading Symbol	
Â Creighton Christine Frances		(Month/Day/Year)	Sensata Technologies Holding N.V. [ST]	
(Last)	(First)	(Middle)	07/12/2011	
C/O 529 PLEASANT STREET, MS B-7			4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)
(Street)			(Check all applicable)	
ATTLEBORO,Â MAÂ 02703			<input type="checkbox"/> Director	<input type="checkbox"/> 10% Owner
(City)			<input checked="" type="checkbox"/> Officer	<input type="checkbox"/> Other
(State)			(give title below) (specify below)	
(Zip)			Chief Accounting Officer	
			6. Individual or Joint/Group Filing(Check Applicable Line)	
			<input checked="" type="checkbox"/> Form filed by One Reporting Person	
			<input type="checkbox"/> Form filed by More than One Reporting Person	

**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	6,000 <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 (Instr. 4)	4. Conversion or Exercise Price of Derivative	5. Ownership Form of Derivative Security:	6. Nature of Indirect Beneficial Ownership (Instr. 5)
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	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Security	Direct (D) or Indirect (I) (Instr. 5)	
Stock Options to Buy	Â (2)	11/12/2018	Ordinary Shares, par value EUR 0.01 per share	30,000	\$ 11.38	D	Â
Stock Options to Buy	Â (3)	09/21/2020	Ordinary Shares, par value EUR 0.01 per share	20,700	\$ 18.88	D	Â
Stock Options to Buy	Â (4)	04/01/2021	Ordinary Shares, par value EUR 0.01 per share	13,600	\$ 35.01	D	Â

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Creighton Christine Frances C/O 529 PLEASANT STREET, MS B-7 ATTLEBORO, MA 02703	Â	Â	Â Chief Accounting Officer	Â

## Signatures

/s/ Christine F. Creighton 07/22/2011

\*\*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 3,600 and 2,400 unvested restricted ordinary shares granted to the reporting person on September 21, 2010 and April 1, 2011, respectively. The restricted ordinary shares will vest on September 21, 2013 and April 1, 2014, respectively, based on the issuer's satisfaction of certain performance criteria.
- (2) Consists of options granted to the reporting person on November 12, 2008. These options vest as follows: 40% on the second anniversary of the date of grant and 20% upon each of the third, fourth and fifth anniversaries of the date of grant. 12,000 of these options have vested.
- (3) Consists of options granted to the reporting person on September 21, 2010. These options vest as follows: 25% on each of the first, second, third, and fourth anniversaries of the date of grant. None of these options have vested.
- (4) Consists of options granted to the reporting person on April 1, 2011. These options vest as follows: 25% on each of the first, second, third, and fourth anniversaries of the date of grant. None of these options have vested.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, See Instruction 6 for procedure.

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