

Kimmel Donna Nappen
 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)

1. Name and Address of Reporting Person * Â Kimmel Donna Nappen (Last) (First) (Middle)	2. Date of Event Requiring Statement (Month/Day/Year) 03/10/2010	3. Issuer Name and Ticker or Trading Symbol Sensata Technologies Holding N.V. [ST]	4. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other (give title below) (specify below) Senior VP, Human Resources	5. If Amendment, Date Original Filed(Month/Day/Year)
C/O SENSATA TECHNOLOGIES, INC., Â 529 PLEASANT STREET (Street)				
ATTLEBORO, Â MA Â 02703 (City) (State) (Zip)				
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	3,591 ⁽¹⁾	D	Â

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

SEC 1473 (7-02)

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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)	05/15/2016	Ordinary shares	501,291 (2)	\$ 6.99	D Â

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Kimmel Donna Nappen C/O SENSATA TECHNOLOGIES, INC. 529 PLEASANT STREET ATTLEBORO, MA 02703	Â	Â	Â Senior VP, Human Resources	Â

Signatures

/s/ Donna Nappen
Kimmel 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 vested restricted ordinary shares Granted to the reporting person on May 15, 2006. The restricted ordinary shares vested on May 15, 2007.
- Consists of 167,097 Tranche I options and 334,194 Tranche II options granted to the reporting person on May 15, 2006. 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
- (2) 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. 100,258 of the Tranche I options have vested; no Tranche II 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. 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.