

Sensata Technologies Holding N.V.
 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 * | | 2. Date of Event Requiring Statement | 3. Issuer Name and Ticker or Trading Symbol | |
| Â BAIN CAPITAL INVESTORS LLC | | (Month/Day/Year) | Sensata Technologies Holding N.V. [ST] | |
| (Last) | (First) | (Middle) | 4. Relationship of Reporting Person(s) to Issuer | |
| 111 HUNTINGTON AVENUE | | | (Check all applicable) | |
| (Street) | | | <input type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner <input type="checkbox"/> Officer <input type="checkbox"/> Other (give title below) (specify below) | |
| BOSTON,Â MAÂ 02199 | | | 5. If Amendment, Date Original Filed(Month/Day/Year) | |
| (City) | (State) | (Zip) | 6. Individual or Joint/Group Filing(Check Applicable Line) | |
| | | | <input type="checkbox"/> Form filed by One Reporting Person <input checked="" 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 | 144,029,636 <u>(1)</u> <u>(2)</u> <u>(3)</u> | I | See Footnotes <u>(1)</u> <u>(2)</u> <u>(3)</u> |

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 (Instr. 4) | 4. Conversion or Exercise Price of Derivative | 5. Ownership Form of Derivative Security: | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---|---|--|---|---|--|
|---|---|--|---|---|--|

| Date Exercisable | Expiration Date | Title | Amount or Number of Shares | Security | Direct (D) or Indirect (I) (Instr. 5) |
|---------------------|--------------------|-------|----------------------------------|----------|--|
|---------------------|--------------------|-------|----------------------------------|----------|--|

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|---------|-------|
| | Director | 10% Owner | Officer | Other |
| BAIN CAPITAL INVESTORS LLC 111 HUNTINGTON AVENUE BOSTON, MA 02199 | ^ | ^ X | ^ | ^ |
| BCIP Trust Associates III 111 HUNTINGTON AVENUE BOSTON, MA 02199 | ^ | ^ X | ^ | ^ |
| BCIP Associates III-B 111 HUNTINGTON AVENUE BOSTON, MA 02199 | ^ | ^ X | ^ | ^ |
| BCIP Trust Associates III-B 111 HUNTINGTON AVENUE BOSTON, MA 02199 | ^ | ^ X | ^ | ^ |
| BCIP Associates-G 111 HUNTINGTON AVENUE BOSTON, MA 02199 | ^ | ^ X | ^ | ^ |
| Sensata Investment Co S.C.A 111 HUNTINGTON AVENUE BOSTON, MA 02199 | ^ | ^ X | ^ | ^ |
| Sensata Management Co S.C.A 111 HUNTINGTON AVENUE BOSTON, MA 02199 | ^ | ^ X | ^ | ^ |

Signatures

/s/ Paul B. Edgerley 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).

Represents ordinary shares of Sensata Technologies Holding N.V. owned by Sensata Investment Company S.C.A. ("Sensata Investment Co."). Sensata Investment Co. is controlled by its manager, Sensata Management Company S.A. ("Sensata SA") through its board of directors. All of the outstanding capital stock of Sensata SA is owned by Bain Capital Fund VIII, L.P. ("Fund VIII") and Bain Capital (1) Fund VIII-E, L.P. ("Fund VIII-E"), and in that capacity, these funds have the power to appoint the directors of Sensata SA. Because of the relationships described in footnote (2) below, Bain Capital Investors, LLC ("BCI") may be deemed to control Fund VIII and Fund VIII-E and thus may be deemed to share voting and dispositive power with respect to the shares held by Sensata Investment Co. (Continued in Footnote 2)

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Approximately 80.6% of the ordinary shares of Sensata Investment Co. are owned by Fund VIII, Bain Capital VIII Coinvestment Fund, L.P. ("Coinvestment VIII"), Fund VIII-E, Bain Capital Fund IX, L.P. ("Fund IX"), Bain Capital IX Coinvestment Fund, L.P.

- (2) ("Coinvestment IX"), BCIP Associates III ("BCIP III"), BCIP Trust Associates III ("BCIP Trust III"), BCIP Associates III-B ("BCIP III-B"), BCIP Trust Associates III-B ("BCIP Trust III-B") and BCIP Associates-G ("BCIP-G" and together with Fund VIII, Coinvestment VIII, Fund VIII-E, Fund IX, Coinvestment IX, BCIP III, BCIP Trust III, BCIP III-B and BCIP Trust III-B, the "Bain Capital Funds"). Each Bain Capital Fund disclaims beneficial ownership of the shares owned by Sensata Investment Co. except to the extent of its pecuniary interest therein.

BCI is the managing general partner of BCIP III, BCIP Trust III, BCIP III-B, BCIP Trust III-B and BCIP-G. BCI is also the general partner of Bain Capital Partners IX, L.P., which is the general partner of Fund IX and Coinvestment IX. BCI is also the general partner of Bain Capital Partners VIII, L.P. which is the general partner of Fund VIII and Coinvestment VIII. BCI is also the general partner of Bain

- (3) Capital Partners VIII-E, L.P., which is the general partner of Fund VIII-E. By virtue of these relationships, BCI may be deemed to share voting and dispositive power with respect to the shares of the issuer that may be deemed to be beneficially owned by the Bain Capital Funds. BCI and each of the Bain Capital Funds disclaims beneficial ownership of the shares owned by Sensata Investment Co. except to the extent of their pecuniary interest therein.

Â

Remarks:

Form 2 of 2

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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