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Item 2.02. Results of Operations and Financial Condition.

On October 20, 2010, Sensata Technologies Holding N.V. issued a press release announcing its financial results for the quarter ended September 30, 2010. The press release is attached hereto as exhibit 99.1 and incorporated by reference herein.

The information in this Form 8-K and the Exhibit attached hereto shall not be deemed “filed” for purposes of Section 18 of the Securities Exchange Act of 1934 (the “Exchange Act”) or otherwise subject to the liabilities of that section, nor shall it be deemed incorporated by reference in any filing under the Securities Act of 1933 or the Exchange Act, regardless of any general incorporation language in such filing.

Item 9.01. Financial Statements and Exhibits

(d) Exhibits

99.1 October 20, 2010 press release entitled “Sensata Technologies Holding N.V. Announces Third Quarter 2010 Results” (furnished pursuant to Item 2.02).

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

SENSATA TECHNOLOGIES HOLDING N.V.

/s/ Jeffrey Cote

Name: Jeffrey Cote

Title: Chief Financial Officer

Date: October 20, 2010

EXHIBIT INDEX

Exhibit No. Description

99.1 October 20, 2010 press release entitled "Sensata Technologies Holding N.V.
Announces Third Quarter 2010 Results"

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