

BE SEMICONDUCTOR INDUSTRIES NV

Form 6-K

September 29, 2006

**SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549**

**FORM 6-K  
REPORT OF FOREIGN PRIVATE ISSUER  
PURSUANT TO RULE 13A-16 OR 15d-16  
OF THE SECURITIES EXCHANGE ACT OF 1934**

For The Month of September, 2006

Commission File Number 000-27298

**BE Semiconductor Industries N.V.**

(Translation of Registrant's Name Into English)

Marconilaan 4

5151 DR Drunen

The Netherlands

(Address of Principal Executive Offices)

(Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F

Form 20-F  Form 40-F

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1).

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7).

(Indicate by check mark whether the registrant by furnishing the information contained in this form is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.)

Yes  No

**(If Yes is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b) : 82-\_\_\_\_.)**

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BE Semiconductor Industries N.V. (the Company ) is furnishing in Part I, Item I of this report certain interim unaudited financial information. In addition, the Company is furnishing in Part I, Item 2 and Part II of this report certain other information relating to its business substantially equivalent to the information that would be provided by the Company under Part I, Item 2 and Part II of Form 10-Q if the Company were required to file quarterly reports on Form 10-Q with the United States Securities and Exchange Commission. A copy of such quarterly report is attached hereto as Exhibit 99.1.

Exhibits

99.1 Quarterly Report

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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, thereunto duly authorized.

BE SEMICONDUCTOR INDUSTRIES N.V.

By: /s/ Richard W. Blickman

Name: Richard W. Blickman

Title: President and Chief Executive Officer

Date: September 13, 2006