

SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D. C. 20549

**FORM 8-K**

**CURRENT REPORT**

**Pursuant to Section 13 or 15(d) of the  
Securities Exchange Act of 1934**

October 1, 2008

Date of report (Date of earliest event reported)

**ON Semiconductor Corporation**

(Exact name of registrant as specified in its charter)

**Delaware**  
(State or other jurisdiction  
of incorporation)

**000-30419**  
(Commission  
File Number)

**36-3840979**  
(I.R.S. Employer  
Identification Number)

**ON Semiconductor Corporation**  
**5005 E. McDowell Road**  
**Phoenix, Arizona**  
(Address of principal executive offices)

**85008**  
(Zip Code)

**602-244-6600**  
(Registrant's telephone number, including area code)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
  - Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
  - Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
  - Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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**Item 5.02. Departure of Directors or Principal Officers; Election of Directors; Appointment of Certain Officers; Compensatory Arrangements of Certain Officers.**

(b) Christine King tendered her resignation from the board of directors of ON Semiconductor Corporation on October 1, 2008 and the board accepted her resignation on the same day. This tender of resignation was due to a recent appointment of Ms. King as the president and chief executive officer of Standard Microsystems Corporation, starting October 20, 2008.

