
**UNITED STATES
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 19, 2004

Date of Report (Date of earliest event reported)

ADVANCED MICRO DEVICES, INC.

(Exact name of registrant as specified in its charter)

Delaware
(State of
Incorporation)

1-7882
(Commission
File Number)

94-1692300
(IRS Employer
Identification Number)

**One AMD Place
P.O. Box 3453**

Sunnyvale, California 94088-3453
(Address of principal executive offices) (Zip Code)

(408) 749-4000
(Registrant's telephone number, including area code)

N/A

(Former Name or Former Address, if Changed Since Last Report)

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 3.02 Unregistered Sales of Equity Securities

On October 19, 2004, Advanced Micro Devices, Inc. agreed to repurchase \$70.0 million of its 4.50% Convertible Senior Notes due 2007, plus accrued and unpaid interest, in exchange for 10,550,000 shares of its Common Stock that we expect will be settled on October 22, 2004. The shares of common stock were issued in reliance upon the exemption from registration provided under Section 3(a)(9) of the Securities Act of 1933, as amended.

SIGNATURES

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

ADVANCED MICRO DEVICES, INC.

Date: October 21, 2004

By: _____ /s/ HOLLIS M. O'BRIEN

Name: Hollis M. O'Brien

Title: Corporate Vice President and Secretary