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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549**

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**FORM 8-K**

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**CURRENT REPORT  
PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**

Date of Report (Date of earliest event reported) September 17, 2008

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**MIPS TECHNOLOGIES, INC.**

(Exact Name of Registrant as Specified in its Charter)

**Delaware**

(State or Other Jurisdiction of Incorporation or Organization)

**000-24487**

(Commission File Number)

**77-0322161**

(IRS Employer Identification No.)

**1225 Charleston Road  
Mountain View, CA 94043**

(Address of Principal Executive Offices, including zip code)

**(650) 567-5000**

(Registrant's telephone number including area code)

**N/A**

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

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Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligations of the registrant under any of the following provisions (see General Instruction A.2. below):

- 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) On September 17, 2008, Jose Franca, the co-founder of Chipidea Microelectronica, S.A., who joined the MIPS Technologies, Inc. Board of Directors in 2007 in connection with the Chipidea acquisition, resigned from the Board. This resignation follows Dr. Franca's recent resignation from the Company's Chipidea subsidiary. Following Dr. Franca's resignation, the Board of Directors reduced the size of the Board to seven directors, representing the number of directors following Dr. Franca's resignation.

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**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.

**MIPS TECHNOLOGIES, INC.**  
(Registrant)

Date: September 23, 2008

By: /s/ STUART J. NICHOLS

Name: Stuart J. Nichols

Title: Vice President, General Counsel & Secretary