#### **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

Date of Report (Date of earliest event reported): February 7, 2007

#### KEY TECHNOLOGY, INC.

(Exact name of registrant as specified in its charter)

OREGON (State or other jurisdiction of incorporation) 0-21820 (Commission File Number)

93-0822509 (IRS Employer Identification No.)

150 Avery Street Walla Walla, Washington 99362 (Address of principal executive offices) (Zip Code)

(509) 529-2161 (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 (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))

# Item 5.02. DEPARTURE OF DIRECTORS OR CERTAIN OFFICERS; ELECTION OF DIRECTORS; APPOINTMENT OF CERTAIN OFFICERS; COMPENSATORY ARRANGEMENTS OF CERTAIN OFFICERS.

Key Technology, Inc. (the "Company") announced on February 12, 2007 the retirement of Thomas C. Madsen as Chairman and as a director of Key Technology's Board of Directors effective February 7, 2007. Current independent director Charles H. Stonecipher has been selected to serve as the new Chairman of the Board.

The full text of the press release disclosing the retirement of Mr. Madsen and selection of Mr. Stonecipher is attached hereto as Exhibit 99.1.

#### Item 9.01. FINANCIAL STATEMENTS AND EXHIBITS

(d) Exhibits

The following exhibit is furnished with this Current Report on Form 8-K:

99.1 Press release of Key Technology, Inc. dated February 12, 2007

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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 thereunto duly authorized.

KEY TECHNOLOGY, INC.

/s/ DAVID M. CAMP David M. Camp President and Chief Executive Officer

Dated: February 12, 2007

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## **EXHIBIT INDEX**

Exhibit No.	Description
99.1	Press release of Key Technology, Inc. dated February 12, 2007