

MADSEN THOMAS C  
Form SC 13G/A  
February 12, 2007

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934  
(Amendment No. 13 )\*

Key Technology, Inc.

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(Name of Issuer)

Common Stock, \$0.01 par value

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(Title of Class of Securities)

493143 10 1

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(CUSIP Number)

December 31, 2006

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(Date of Event which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)
- Rule 13d-1(c)
- Rule 13d-1(d)

\* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

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SCHEDULE 13G

CUSIP No. 493143 10 1

1. Names of Reporting Persons.  
 Thomas C. Madsen  
 I.R.S. Identification Nos. of above persons (entities only).

2. Check the Appropriate Box if a Member of a Group (See Instructions)  
 (a)  (b)

3. SEC USE ONLY

4. Citizenship or Place of Organization  
 United States of America

Number of  
 Shares  
 Beneficially  
 Owned by  
 Each Reporting  
 Person With:

5. Sole Voting Power  
 452,866

6. Shared Voting Power  
 0

7. Sole Dispositive Power  
 452,866

8. Shared Dispositive Power  
 0

9. Aggregate Amount Beneficially Owned by Each Reporting Person  
 452,866

10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

11. Percent of Class Represented by Amount in Row (9)  
 8.33%

12. Type of Reporting Person  
 IN

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**Item 1.**

- (a) Name of Issuer  
Key Technology, Inc.
- (b) Address of Issuer's Principal Executive Offices  
150 Avery Street  
Walla Walla, WA 99362

**Item 2.**

- (a) Name of Person Filing  
Thomas C. Madsen
- (b) Address of Principal Business Office or, if none, Residence  
c/o Key Technology, Inc.  
150 Avery Street  
Walla Walla, WA 99362
- (c) Citizenship  
United States of America
- (d) Title of Class of Securities  
Common Stock
- (e) CUSIP Number  
493143 10 1

**Item 3.**

**If this statement is filed pursuant to §§240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:**

- (a)  Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o).
- (b)  Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c).
- (c)  Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).
- (d)  Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C 80a-8).
- (e)  An investment adviser in accordance with §240.13d-1(b)(1)(ii)(E);
- (f)  An employee benefit plan or endowment fund in accordance with §240.13d-1(b)(1)(ii)(F);
- (g)  A parent holding company or control person in accordance with § 240.13d-1(b)(1)(ii)(G);
- (h)  A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
- (i)  A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
- (j)  Group, in accordance with §240.13d-1(b)(1)(ii)(J).

**Item 4. Ownership.**

- (a) Amount beneficially owned:  
452,866
- (b) Percent of class:  
8.33%
- (c) Number of shares as to which the person has:
  - (i) Sole power to vote or to direct the vote  
452,866
  - (ii) Shared power to vote or to direct the vote  
0
  - (iii) Sole power to dispose or to direct the disposition of  
452,866
  - (iv) Shared power to dispose or to direct the disposition of  
0

**Item 5. Ownership of Five Percent or Less of a Class**

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following [  ].

*Instruction:* Dissolution of a group requires a response to this item.

**Item 6. Ownership of More than Five Percent on Behalf of Another Person**

Not applicable

**Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company or Control Person**

Not applicable

**Item 8. Identification and Classification of Members of the Group**

Not applicable

**Item 9. Notice of Dissolution of Group**

Not applicable

**Item 10. Certifications**

Not Applicable

