

Rim Semiconductor CO  
 Form 5  
 February 17, 2006

**FORM 5**

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).  
 Form 3 Holdings Reported Form 4 Transactions Reported

**ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person \*  
**KETCH BRAD**

(Last) (First) (Middle)

305 NE 102ND AVE, #105

(Street)

PORTLAND, OR 97220

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
**Rim Semiconductor CO [RSMI]**

3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year)  
 10/31/2005

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director  10% Owner  
 Officer (give title below)  Other (specify below)  
 President, CEO and Secretary

6. Individual or Joint/Group Reporting

(check applicable line)

Form Filed by One Reporting Person  
 Form Filed by More than One Reporting Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)  (A) or (D) Price	5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
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Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 2270 (9-02)

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title Underlying (Instr. 3)
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Derivative Security	(A)	(D)	Date Exercisable	Expiration Date	Title
Employee Stock Option (right to buy) \$ 1.02 04/05/2005	Â	D4	Â	50,000	Â (1) 03/22/2012 Comm Stock
Employee Stock Option (right to buy) \$ 1.09 04/05/2005	Â	D4	Â	405,000	Â (3) 07/01/2012 Comm Stock
Employee Stock Option (right to buy) \$ 0.64 04/05/2005	Â	D4	Â	1,500,000	Â (4) 12/03/2012 Comm Stock
Employee Stock Option (right to buy) \$ 0.17 04/05/2005	Â	A4	1,000,000	Â	Â (5) 04/05/2015 Comm Stock
Employee Stock Option (right to buy) \$ 0.17 04/05/2005	Â	A4	6,000,000	Â	Â (6) 04/05/2015 Comm Stock

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
KETCH BRAD 305 NE 102ND AVE, #105 PORTLAND, OR 97220	Â X	Â	Â President, CEO and Secretary	Â

## Signatures

/s/ Brad Ketch 02/17/2006  
 \*\*Signature of Reporting Person Date

## Explanation of Responses:

\* If the form is filed by more than one reporting person, see Instruction 4(b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

- (1) These options were exercisable on 3/22/2002. These options were cancelled by mutual agreement of the parties.
- (2) Not applicable.
- (3) Options with respect to 105,000 shares were exercisable 7/1/02 and the remaining vest in eight equal quarterly installments, starting May 31, 2003. These options were cancelled by mutual agreement of the parties.
- (4) These options became exercisable in 12 quarterly installments of 125,000 shares, beginning on March 1, 2003. These options were cancelled by mutual agreement of the parties.
- (5) These options became exercisable in May 2005 upon the Corporation's consummation of a financing. These options were cancelled by mutual agreement of the parties, effective January 1, 2006.
- (6) These options became exercisable upon the Corporation's release of a beta version of its semiconductor technologies in December 2005. These options were cancelled by mutual agreement of the parties, effective January 1, 2006.

Note: File three copies of this Form, one of which must be manually signed. If space provided is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.