

Rim Semiconductor CO  
 Form 3/A  
 January 26, 2007

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

OMB Number: 3235-0104  
 Expires: January 31, 2005  
 Estimated average burden hours per response... 0.5

**INITIAL STATEMENT OF 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

(Print or Type Responses)

1. Name and Address of Reporting Person *		2. Date of Event Requiring Statement	3. Issuer Name <b>and</b> Ticker or Trading Symbol	
Â Wojcik David Russell		(Month/Day/Year)	Rim Semiconductor CO [RSMI]	
(Last)	(First)	(Middle)	4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)
			(Check all applicable)	01/01/2007
305 NE 102ND AVE, #105		09/01/2006	___ Director	6. Individual or Joint/Group Filing(Check Applicable Line)
(Street)			___ 10% Owner	___X___ Form filed by One Reporting Person
PORTLAND,Â ORÂ 97220			___X___ Officer	___ Form filed by More than One Reporting Person
(City)	(State)	(Zip)	(give title below)	(specify below)
			Senior Vice President	

**Table I - Non-Derivative Securities Beneficially Owned**

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	37,500	D	Â

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly. SEC 1473 (7-02)

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.**

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

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of	

				Shares		(1) (Instr. 5)	
Consultant Stock Option (right to buy)	09/01/2006	07/06/2016	Common Stock	500,000	\$ 0.18	D	Â
Employee Stock Option (right to buy)	Â (1)	08/31/2016	Common Stock	3,500,000	\$ 0.158	D	Â

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Wojcik David Russell 305 NE 102ND AVE, #105 PORTLAND, OR 97220	Â	Â	Â Senior Vice President	Â

## Signatures

David Russel  
Wojcik

01/22/2007

\*\*Signature of  
Reporting Person

Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, *see* Instruction 5(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) 291,670 vest on December 1, 2006; 291,670 vest on March 1, 2007; and, commencing April 1, 2007, the option shall vest in 30 equal installments of 97,222 shares each on first day of each month for 30 months.

Note: File three copies of this Form, one of which must be manually signed. If space 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.