

# FORM 4

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

## OMB APPROVAL

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

# STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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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

<p>1. Name and Address of Reporting Person *</p> <p><u>Holtzinger Brad</u> (Last) (First) (Middle)</p> <p><u>MIPS Technologies, Inc.</u> <u>955 East Arques Avenue</u> (Street)</p> <p><u>Sunnyvale CA 94085</u> (City) (State) (Zip)</p>	<p>2. Issuer Name and Ticker or Trading Symbol</p> <p><u>MIPS TECHNOLOGIES INC [MIPS]</u></p> <p>3. Date of Earliest Transaction (Month/Day/Year)</p> <p><u>04/30/2010</u></p> <p>4. If Amendment, Date of Original Filed (Month/Day/Year)</p>	<p>5. Relationship of Reporting Person(s) to Issuer (Check all applicable)</p> <p><input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below)</p> <p><u>VP of WW Sales</u></p> <p>6. Individual or Joint/Group Filing (Check Applicable Line)</p> <p><input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person</p>
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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)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	04/30/2010		M		38,889	A	\$3.89	42,768 <sup>(2)</sup>	D	
Common Stock	04/30/2010		S		38,889	D	\$5.0424 <sup>(1)</sup>	3,879 <sup>(2)</sup>	D	
Common Stock	04/30/2010		M		13,056	A	\$3.27	16,935 <sup>(2)</sup>	D	
Common Stock	04/30/2010		S		13,056	D	\$5.0424 <sup>(1)</sup>	3,879 <sup>(2)</sup>	D	
Common Stock	05/03/2010		S		3,879 <sup>(4)</sup>	D	\$5	0	D	
Common Stock	05/03/2010		M		2,500	A	\$3.27	2,500	D	
Common Stock	05/03/2010		S		2,500	D	\$5 <sup>(5)</sup>	0	D	

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 Derivative Security	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 and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date (Month/Day/Year)	Title	Amount or Number of Shares				
Non-Qualified Stock Option (right to buy)	\$3.89	04/30/2010		M			38,889	(3)	08/15/2015	Common Stock	38,889	\$ 0	31,111	D	
Non-Qualified Stock Option (right to buy)	\$3.27	04/30/2010		M			13,056	(3)	08/17/2016	Common Stock	13,056	\$ 0	56,944	D	
Non-Qualified Stock Option (right to buy)	\$3.27	05/03/2010		M			2,500	(3)	08/17/2016	Common Stock	2,500	\$ 0	54,444	D	

Explanation of Responses:

- The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$5.00 to \$5.245, inclusive. The reporting person has provided to the issuer, and undertakes to provide to the staff of the Securities and Exchange Commission or any security holder of the issuer, upon request, full information regarding the number of shares sold at each separate price within the range.
- Includes 3,879 shares acquired under the Employee Stock Purchase Plan on April 30, 2010.
- This option shall vest over thirty-six (36) months at a rate of one thirty-sixth (1/36) per month beginning with the first monthly anniversary of the grant date.
- These shares were purchased under the MIPS Technologies, Inc. Employee Stock Purchase Plan on April 30, 2010.
- The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$5.00 to \$5.0001, inclusive. The reporting person has provided to the issuer, and undertakes to provide to the staff of the Securities and Exchange Commission or any security holder of the issuer, upon request, full information regarding the number of shares sold at each separate price within the range.

Brad Holtzinger

05/04/2010

\*\* Signature of Reporting Person

Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

\* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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