

Nasiri Steven Saeed
 Form 4
 September 19, 2012

FORM 4 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).

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

(Print or Type Responses)

1. Name and Address of Reporting Person *
 Nasiri Steven Saeed

2. Issuer Name and Ticker or Trading Symbol
 InvenSense Inc [INVN]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
 1197 BORREGAS AVENUE
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 09/17/2012

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

SUNNYVALE, CA 94089

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

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

(City) (State) (Zip)

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 Indirect Beneficial Ownership (Instr. 4)
Common Stock	09/17/2012		M	5,000 A	\$ 0.7 8,245,880	I	Steven S. Nasiri Living Trust
Common Stock	09/17/2012		S ⁽¹⁾	5,000 D	\$ 13.479 8,240,880	I	Steven S. Nasiri Living Trust
Common Stock	09/18/2012		M	5,000 A	\$ 0.7 8,245,880	I	Steven S. Nasiri Living Trust

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Common Stock	09/18/2012		<u>S(1)</u>	5,000	D	\$ 13.194	8,240,880	I	Steven S. Nasiri Living Trust
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Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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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 Underlying Securities (Instr. 3 and 4)	8. Amount or Number of Shares
Stock Option (right to buy)	\$ 0.7	09/17/2012		M	5,000	<u>(2)</u> 03/27/2018	Common Stock	5,000
Stock Option (right to buy)	\$ 0.7	09/18/2012		M	5,000	<u>(2)</u> 03/27/2018	Common Stock	5,000

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Nasiri Steven Saeed 1197 BORREGAS AVENUE SUNNYVALE, CA 94089	X	X	President, CEO, Chairman	

Signatures

/s/ Steven S. Nasiri
Date: 09/19/2012

__Signature of
Reporting Person

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) The sale reported in this Form 4 was effected pursuant to a Rule 10b5-1 Sales Plan adopted by the reporting person on May 14, 2012.
- (2) All shares are immediately exercisable.

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.