Shah Amit Form 4 March 30, 2012

FORM 4

OMB APPROVAL

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

OMB Number: 3235-0287

Check this box if no longer subject to Section 16.

Expires: January 31, 2005

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Estimated average burden hours per response... 0.5

Form 4 or Form 5 obligations may continue.

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

See Instruction 30(h) of the Investment C 1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *Shah Amit

2. Issuer Name **and** Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

InvenSense Inc [INVN]

(Last) (First) (Middle)

(Street)

3. Date of Earliest Transaction

X Director _____ 10% Owner ____ Officer (give title _____ Other (specify

1197 BORREGAS AVENUE

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Filed(Month/Day/Year)

(Month/Day/Year)

11/15/2011

Applicable Line)
X Form filed by One Reporting Person
___ Form filed by More than One Reporting

Person

below)

SUNNYVALE, CA 94089

(Instr. 3)

(City) (State) (Zip)

1.Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution D.

2. Transaction Date 2A. Deemed 3. 4. Securities (Month/Day/Year) Execution Date, if any Code Disposed of (D) (Month/Day/Year) (Instr. 8) (Instr. 3, 4 and 5)

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

3. 4. Securities 5. Amount of 6. Ownership 7. Nature of TransactionAcquired (A) or Securities Form: Direct Indirect Code Disposed of (D) Beneficially (D) or Indirect Beneficial ar) (Instr. 8) (Instr. 3, 4 and 5) Owned (I) Ownership Following (Instr. 4)

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

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.

SEC 1474 (9-02)

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

1. Title of 3. Transaction Date 3A. Deemed 5. Number of 6. Date Exercisable and 7. Title and Amount of 4. Derivative Conversion (Month/Day/Year) Execution Date, if TransactionDerivative **Expiration Date Underlying Securities** Security or Exercise Code Securities (Month/Day/Year) (Instr. 3 and 4) (Instr. 3) Price of (Month/Day/Year) (Instr. 8) Acquired (A)

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Derivative or Disposed of Security (D) (Instr. 3, 4, and 5) Code V Expiration Title (A) (D) Date Amount Exercisable Date or Number of Shares Stock Option Common (1) 11/14/2021 20,000 \$ 7.5 11/15/2011 A 20,000 Stock

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Shah Amit 1197 BORREGAS AVENUE X SUNNYVALE, CA 94089

Signatures

(Right to Buy)

Amit Shah 03/30/2012

**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).
- The option vests over 1 year following the vesting commencement date of November 15, 2011, at the rate of 1/12th per month.

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.

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