

SEQUENOM INC
Form 5
May 21, 2008

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 *
Siemens Venture Capital GmbH

2. Issuer Name and Ticker or Trading Symbol
SEQUENOM INC [SQNM]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year)
12/31/2007

____ Director _____ 10% Owner
____ Officer (give title below) Other (specify below)
Former 10% Owner

WITTELSBACHERPLATZ 2

(Street)

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

6. Individual or Joint/Group Reporting

(check applicable line)

MUNICH,Â 2MÂ D-80333

(City) (State) (Zip)

____ 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) | 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) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|--|--|-----------------------------------|
| | | | | (A) or (D) Price | | | |

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.

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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 | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities | 8. Price of Derivative Security (Instr. 5) | 9. of |
|--|------------------------------------|--------------------------------------|--|--------------------------------|-------------------------|--|--|--|-------|
| | | | | | | | | | |

| Derivative Security | Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | | (Instr. 3 and 4) | | Title | Amount or Number of Shares |
|---------------------|---|-----|------------------|-----------------|-------|----------------------------|
| | (A) | (D) | Date Exercisable | Expiration Date | | |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|---------|------------------|
| | Director | 10% Owner | Officer | Other |
| Siemens Venture Capital GmbH WITTELSBACHERPLATZ 2 MUNICH, D-80333 | ^ | ^ | ^ | Former 10% Owner |
| SIEMENS AKTIENGESELLSCHAFT WITTELSBACHERPLATZ 2 MUNICH, D-80333 | ^ | ^ | ^ | Former 10% Owner |

Signatures

| | |
|---|------------|
| Siemens Venture Capital GmbH by Dr. Ralf Schnell, CEO | 05/21/2008 |
| __Signature of Reporting Person | Date |
| Siemens Venture Capital GmbH by Thomas Kolbinger, CFO | 05/21/2008 |
| __Signature of Reporting Person | Date |
| Siemens Aktiengesellschaft by Dominik Asam, Managing Director and CEO Siemens Financial Services GmbH | 05/21/2008 |
| __Signature of Reporting Person | Date |
| Siemens Aktiengesellschaft by Solms U. Wittig, General Counsel Corporate and SFS | 05/21/2008 |
| __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).

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.