

WHEELER KURT
Form 4
September 14, 2007

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 *
WHEELER KURT

(Last) (First) (Middle)

C/O MPM ASSET
MANAGEMENT, 200
CLARENDON STREET, 54TH
FLOOR

(Street)

BOSTON, MA 02116

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
HEMOSENSE INC [HEM]

3. Date of Earliest Transaction
(Month/Day/Year)
09/12/2007

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

6. Individual or Joint/Group Filing(Check Applicable Line)

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 Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Ownership (Instr. 4) | | | |
|---------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------|-----------|---|------------------|
| | | | Code | V | Amount | (A) or (D) | Price | | | |
| Common Stock | 09/12/2007 | | S | | 300,600 (1) | D | \$ 12.7548 | 4,003,119 | I | See Footnote (2) |
| Common Stock | 09/13/2007 | | S | | 174,800 (3) | D | \$ 12.79 | 3,828,319 | I | See Footnote (4) |

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

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(9-02)

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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. Price of Derivative Security (Instr. 5) | 9. Number of Derivative Securities Owned Beneficially (Instr. 5) |
|--------------------------------------------|--------------------------------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------|------------------------------------------------------------------|
|--------------------------------------------|--------------------------------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------|------------------------------------------------------------------|

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--------------------------------------------------------------------------------------------------|---------------|-----------|---------|-------|
| | Director | 10% Owner | Officer | Other |
| WHEELER KURT C/O MPM ASSET MANAGEMENT 200 CLARENDON STREET, 54TH FLOOR BOSTON, MA 02116 | X | X | | |

Signatures

/s/ Kurt Wheeler 09/14/2007

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 shares were sold as follows: 202,364 by MPM BioVentures II-QP, L.P. ("BV II QP"), 22,334 by MPM BioVentures II, L.P. ("BV II"), 4,659 by MPM Asset Management Investors 2000B LLC ("AM 2000B") and 71,243 by MPM BioVentures GmbH & Co.

- (1) Parallel-Beteiligungs KG ("BV KG"). MPM Asset Management II, L.P. ("AM II GP") and MPM Asset Management II LLC ("AM II LLC") are the direct and indirect general partners of BV II QP, BV II and BV KG. The Reporting Person is a member of AM 2000B and AM II LLC. The Reporting Person disclaims beneficial ownership of the securities except to the extent of his pecuniary interest therein.
- (2) The shares are held as follows: 2,694,902 by BV II QP, 297,431 by BV II, 62,048 by AM 2000B and 948,738 by BV KG. The Reporting Person disclaims beneficial ownership of the securities except to the extent of his pecuniary interest therein.
- (3) The shares were sold as follows: 117,675 by BV II QP, 12,988 by BV II, 2,709 by AM 2000B and 41,428 by BV KG. The Reporting Person disclaims beneficial ownership of the securities except to the extent of his pecuniary interest therein.
- (4) The shares are held as follows: 2,577,227 by BV II QP, 284,443 by BV II, 59,339 by AM 2000B and 907,310 by BV KG. The Reporting Person disclaims beneficial ownership of the securities except to the extent of his pecuniary interest therein.

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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