

STEINMETZ MICHAEL  
Form 4  
September 14, 2007

**FORM 4** UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

OMB APPROVAL

OMB Number: 3235-0287  
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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 \*  
MPM BIOVENTURES II QP LP

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)  
C/O MPM ASSET  
MANAGEMENT, 200  
CLARENDON STREET, 54TH  
FLOOR

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

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

(Street)  
BOSTON, MA 02116

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

6. Individual or Joint/Group Filing(Check Applicable Line)  
\_\_\_ Form filed by One Reporting Person  
\_X\_ 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)
			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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SEC 1474 (9-02)

displays a currently valid OMB control number.

**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 Following Reporting Transaction (Instr. 6)
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
MPM BIOVENTURES II QP LP C/O MPM ASSET MANAGEMENT 200 CLARENDON STREET, 54TH FLOOR BOSTON, MA 02116		X		
MPM BIOVENTURES II LP C/O MPM ASSET MANAGEMENT 200 CLARENDON STREET, 54TH FLOOR BOSTON, MA 02116		X		
MPM BIOVENTURES GMBH & CO PARALLEL BETEILIGUNGS KG C/O MPM ASSET MANAGEMENT 200 CLARENDON STREET, 54TH FLOOR BOSTON, MA 02116		X		
MPM ASSET MANAGEMENT INVESTORS 2000B LLC C/O MPM ASSET MANAGEMENT 200 CLARENDON STREET, 54TH FLOOR BOSTON, MA 02116		X		
MPM ASSET MANAGEMENT II LP C/O MPM ASSET MANAGEMENT 200 CLARENDON STREET, 54TH FLOOR BOSTON, MA 02116		X		
MPM ASSET MANAGEMENT II LLC C/O MPM ASSET MANAGEMENT		X		

200 CLARENDON STREET, 54TH FLOOR  
BOSTON, MA 02116

GADICKE ANSBERT  
C/O MPM ASSET MANAGEMENT  
200 CLARENDON STREET, 54TH FLOOR  
BOSTON, MA 02116

X

STEINMETZ MICHAEL  
C/O MPM ASSET MANAGEMENT  
200 CLARENDON STREET, 54TH FLOOR  
BOSTON, MA 02116

X

GALAKATOS NICHOLAS  
C/O MPM ASSET MANAGEMENT  
200 CLARENDON STREET, 54TH FLOOR  
BOSTON, MA 02116

X

EVNIN LUKE  
C/O MPM ASSET MANAGEMENT  
200 CLARENDON STREET, 54TH FLOOR  
BOSTON, MA 02116

X

## Signatures

By Luke Evnin, investment manager of MPM Asset Management II LLC, the general partner of MPM Asset Management II, L.P., the general partner of MPM BioVentures II-QP, L.P /s/ Luke Evnin

09/14/2007

\_\_Signature of Reporting Person

Date

By Luke Evnin, investment manager of MPM Asset Management II LLC, the general partner of MPM Asset Management II, L.P., the general partner of MPM BioVentures II, L.P /s/ Luke Evnin

09/14/2007

\_\_Signature of Reporting Person

Date

By Luke Evnin, investment manager of MPM Asset Management II LLC, the general partner of MPM Asset Management II, L.P., the Special Limited Partner of MPM BioVentures GmbH and Co. Parallel-Beteiligungs KG /s/ Luke Evnin

09/14/2007

\_\_Signature of Reporting Person

Date

By Luke Evnin, investment manager of MPM Asset Management Investors 2000B LLC /s/ Luke Evnin

09/14/2007

\_\_Signature of Reporting Person

Date

By Luke Evnin, investment manager of MPM Asset Management II LLC, the general partner of MPM Asset Management II, L.P. /s/ Luke Evnin

09/14/2007

\_\_Signature of Reporting Person

Date

By Luke Evnin, investment manager of MPM Asset Management II, LLC /s/ Luke Evnin

09/14/2007

\_\_Signature of Reporting Person

Date

/s/ Ansbert Gadicke

09/14/2007

\_\_Signature of Reporting Person

Date

/s/ Michael Steinmetz	09/14/2007
__Signature of Reporting Person	Date
/s/ Nicholas Galakatos	09/14/2007
__Signature of Reporting Person	Date
/s/ Luke Evnin	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. 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. 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. Luke Evnin, Ansbert Gadicke, Nicholas Galakatos, Michael Steinmetz and Kurt Wheeler are the members of AM II LLC and AM 2000B Each member of the group disclaims beneficial ownership of the securities except to the extent of its pecuniary interest therein.
- (1) The shares are held as follows: 2,649,902 by BV II QP, 297,431 by BV II, 62,048 by AM 2000B and 948,738 by BV KG. Each member of the group disclaims beneficial ownership of the securities except to the extent of its pecuniary interest therein.
- (2) 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. Each member of the group disclaims beneficial ownership of the securities except to the extent of its pecuniary interest therein.
- (3) 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. Each member of the group disclaims beneficial ownership of the securities except to the extent of its pecuniary interest therein.
- (4)

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.