Brugger Stephen B Form 4 February 27, 2009

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

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obligations

Check this box

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

may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

Brugger Stephen B

2. Issuer Name and Ticker or Trading

Symbol

MOMENTA

PHARMACEUTICALS INC

[MNTA]

(Last) (First) (Middle) 3. Date of Earliest Transaction

(Month/Day/Year) 02/25/2009

5. Relationship of Reporting Person(s) to

Issuer

below)

(Check all applicable)

Director 10% Owner X_ Officer (give title Other (specify

Chief Operating Officer

C/O MOMENTA

PHARMACEUTICALS, INC., 675 WEST KENDALL STREET

(Street)

4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

D

CAMBRIDGE, MA 02142

Stock

(City) (State) (Zip)

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

1. Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3) any (Month/Day/Year)

3. Transaction(A) or Disposed of Code (D) (Instr. 8) (Instr. 3, 4 and 5)

4. Securities Acquired 5. Amount of Securities Beneficially (D) or Owned Following (Instr. 4) Reported

6. Ownership 7. Nature of Form: Direct Indirect Beneficial Indirect (I) Ownership (Instr. 4)

(A) Transaction(s) or

(Instr. 3 and 4) Code V Amount (D) Price

Common 02/25/2009

17,325 A (1)

\$0 280,189

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. Transactic Code (Instr. 8)	5. Number of or 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)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (Right to Buy)	\$ 10.43	02/25/2009		A	34,650 (2)	05/25/2009	02/25/2019	Common Stock	34,650

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Brugger Stephen B C/O MOMENTA PHARMACEUTICALS, INC. 675 WEST KENDALL STREET CAMBRIDGE, MA 02142

Chief Operating Officer

Signatures

/s/ Michael Flanagan as attorney in fact 02/27/2009

**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).

Represents 17,325 shares of restricted common stock, \$0.0001 par value per share, awarded pursuant to the Company's 2004 Stock

- (1) Incentive Plan, as amended, and subject to a restricted stock agreement to be entered into between the Company and Mr. Brugger. Pursuant to the restricted stock agreement, 25% of the shares of restricted Common Stock shall vest on February 25, 2010 and an additional 6.25% of the shares of restricted Common Stock shall vest at the end of each three-month period thereafter.
- (2) Represents an option granted by the issuer pursuant to the issuer's 2004 Stock Incentive Plan. Subject to certain criteria, the shares subject to such option vest as to 6.25% of the shares at the end of each three-month period following the grant date
- (3) Includes multiple option grants with different prices and vesting dates

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