Venkataraman Ganesh Form 4 January 16, 2009

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

Number:

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may continue.

See Instruction

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

30(h) of the Investment Company Act of 1940

1(b).

(Last)

(Print or Type Responses)

1. Name and Address of Reporting Person * Venkataraman Ganesh

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

Symbol

MOMENTA

PHARMACEUTICALS INC

(Check all applicable)

Director

[MNTA]

(Middle)

3. Date of Earliest Transaction

X_ Officer (give title below)

10% Owner Other (specify

01/16/2009

(Month/Day/Year)

below) Senior V.P., Research

C/O MOMENTA PHARMACEUTICALS, INC., 675

(Street)

(First)

WEST KENDALL STREET

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Applicable Line)

Filed(Month/Day/Year)

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

CAMBRIDGE, MA 02142

(City) (State) (Zip)

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

1. Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year) Execution Date, if

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5) 5. Amount of Securities Beneficially (D) or Owned Following Reported

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

(A) or Amount (D)

Transaction(s)

(Instr. 3 and 4)

Common Stock

01/16/2009

 $S^{(1)}$

Code V

7,489 \$ 12 456,812 D

Price

D

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

(Month/Day/Year)

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SEC 1474 (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	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Title	and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	TransactionNumber		Expiration D	ate	Amount of		Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underly	ing	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8) Derivative				Securities		(Instr. 5)	Bene
	Derivative				Securities Acquired (A) or			(Instr. 3	and 4)		Own
	Security										Follo
	•										Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3, 4, and 5)						
								Λ.	mount		
									mount		
						Date	Expiration Date	Title N	r Jumber		
						Exercisable		Title Numb			
				C + V	(A) (D)						
			Code V (A) (D)					S	hares		

Reporting Owners

Relationships Reporting Owner Name / Address

> Director 10% Owner Officer Other

Venkataraman Ganesh C/O MOMENTA PHARMACEUTICALS, INC. 675 WEST KENDALL STREET CAMBRIDGE, MA 02142

Senior V.P., Research

Signatures

/s/ Michael Flanagan as attorney 01/16/2009 in fact

> **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).
- (1) This sale was effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on August 29, 2008.

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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