Venkataraman Ganesh Form 4 February 24, 2012

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB APPROVAL OMB 3235-0287

Number:

Expires:

January 31, 2005

0.5

Estimated average

burden hours per response...

if no longer subject to Section 16. Form 4 or Form 5

Check this box

SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations

may continue. See Instruction

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).

(Print or Type Responses)

1. Name and Address of Reporting Person *

Venkataraman Ganesh

2. Issuer Name and Ticker or Trading

Symbol

MOMENTA

PHARMACEUTICALS INC

[MNTA]

(Last)

(City)

(Middle)

(Zip)

3. Date of Earliest Transaction

(Month/Day/Year)

02/22/2012

5. Relationship of Reporting Person(s) to

Issuer

below)

(Check all applicable)

Director X_ Officer (give title

10% Owner Other (specify

Senior V.P., Research

C/O MOMENTA PHARMACEUTICALS, INC., 675

WEST KENDALL STREET

(Street)

(State)

(First)

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

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

CAMBRIDGE, MA 02142

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. Securion(A) or Do (Instr. 3,	ispose	d of (D)	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)
Common Stock	02/22/2012		S(1)	211	D	\$ 15.11	412,168	D	
Common Stock	02/23/2012		S <u>(1)</u>	102	D	\$ 15.16	412,066	D	

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

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number.

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. Titl	e and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	onNumber	Expiration Date		Amou	nt of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivativ	e		Securi	ities	(Instr. 5)	Bene
	Derivative				Securities	3		(Instr.	3 and 4)		Owne
	Security				Acquired						Follo
	•				(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									A		
									Amount		
						Date	Expiration	TT:41	or		
						Exercisable	Date	Title	Number		
				G 1 17	(1) (D)				of		
				Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address Relationships

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/ Eric Shaff as attorney in fact

02/24/2012

**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 January 25,2009.

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.

Reporting Owners 2