

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT2777179

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>MALLIKARJUN SUNDARAM</td><td>03/08/2014</td></tr><tr><td>TAKASHI KEI KISHIMOTO</td><td>02/21/2014</td></tr><tr><td>SUCHARITA ROY</td><td>02/25/2014</td></tr></tbody></table>	Name	Execution Date	MALLIKARJUN SUNDARAM	03/08/2014	TAKASHI KEI KISHIMOTO	02/21/2014	SUCHARITA ROY	02/25/2014	
Name	Execution Date								
MALLIKARJUN SUNDARAM	03/08/2014								
TAKASHI KEI KISHIMOTO	02/21/2014								
SUCHARITA ROY	02/25/2014								
RECEIVING PARTY DATA									
Name:	MOMENTA PHARMACEUTICALS, INC.								
Street Address:	675 WEST KENDALL STREET								
City:	CAMBRIDGE								
State/Country:	MASSACHUSETTS								
Postal Code:	02142								
PROPERTY NUMBERS Total: 1									
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>14039811</td></tr></tbody></table>	Property Type	Number	Application Number:	14039811					
Property Type	Number								
Application Number:	14039811								
CORRESPONDENCE DATA									
Fax Number:	(617)395-7070								
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
Phone:	(617) 395-7061								
Email:	AGrant@LALaw.com								
Correspondent Name:	LANDO & ANASTASI LLP								
Address Line 1:	RIVERFRONT OFFICE PARK								
Address Line 2:	ONE MAIN STREET								
Address Line 4:	CAMBRIDGE, MASSACHUSETTS 02142								
ATTORNEY DOCKET NUMBER:	M2050-704120								
NAME OF SUBMITTER:	ANGELA M. GRANT								
SIGNATURE:	/Angela M. Grant/								
DATE SIGNED:	03/20/2014								
	This document serves as an Oath/Declaration (37 CFR 1.63).								
Total Attachments: 7									
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PATENT
REEL: 032484 FRAME: 0145

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COMBINED JOINT ASSIGNMENT & DECLARATION

A. ASSIGNMENT

WHEREAS, each of the below-named inventors whose name and residence is set forth in the following Table 1:

Inventor Name	City, State
1. Mallikarjun Sundaram	Flemington, NJ
2. Takashi Kei Kishimoto	Lexington, MA
3. Sucharita Roy	Tyngsboro, MA

Table 1

hereby declares and agrees, on behalf of himself/herself and all of his/her successors and assigns that each is aware of the patent application(s) entitled:

POLYSACCHARIDE COMPOSITIONS AND METHODS OF USE FOR THE TREATMENT AND PREVENTION OF DISORDERS ASSOCIATED WITH PROGENITOR CELL MOBILIZATION; and

- prepared for filing in the United States Patent and Trademark Office; or
 - identified by United States Application Serial No. **14/039,811**, filed in the United States Patent and Trademark Office on **September 27, 2013**; and
 - identified by International Patent Application No. **Serial No.** filed on **Filing Date**;
- and
- is also aware of the following priority applications:

Serial No: 12/816,369, Filed: June 15, 2010
 Serial No.: 12/762,268, Filed: April 16, 2010
 Serial No: PCT/US2008/082223, Filed: November 3, 2008
 Serial No: 60/985,123, Filed: November 2, 2007

WHEREAS **Momenta Pharmaceuticals, Inc.** (hereinafter "ASSIGNEE"), having a usual place of business at **675 West Kendall Street, Cambridge, MA 02142**, desires to acquire or confirm an interest therein;

NOW, THEREFORE, to all whom it may concern be it known that, in consideration of agreements previously and duly entered into between the parties, and/or for other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned, and

transferred and/or do hereby sell, assign, and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, my entire right, title, and interest in and throughout the United States of America, its territories and all foreign countries, in and to any and all inventions described in the patent application, and/or any priority applications noted above; and hereby confirm that my sale, assignment and transfer is and was effective at least as of the filing date of the patent application and/or priority application. My sale, assignment and transfer applies to the above-referenced patent application, and to any application that is based in whole or in part on the patent application, including to divisional, continuing, substitute, renewal, reissue, reexamination and other applications, for example that claim priority to the patent application. Also, this sale, assignment and transfer pertains to any and all other rights arising under or pursuant to any and all international agreements, treaties, or laws relating to the protection of industrial property, including all rights of priority under the International Convention for the Protection of Industrial Property, and in and to any such patent(s) as may issue thereon including any and all original and reissued patents which have been or shall be issued in the United States and foreign countries; said inventions, applications, and patent(s) to be held and enjoyed by ASSIGNEE for its own use and for its successors, assigns and legal representatives, to the full end of the term for which said patent(s) may be granted as fully and entirely as the same would have been held by me had this sale, assignment and transfer not been made;

AND, I hereby acknowledge that this Assignment, being of my entire right, title, and interest in and to the inventions, carries with it the right in ASSIGNEE, by attorneys and agents of ASSIGNEE selection, to apply for and receive any and all patent(s) for said inventions in its own name;

AND, I hereby further agree for myself and my executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the patent(s) to ASSIGNEE, its successors, assigns, and legal representatives, but at its expense and charges, including the execution of application for patents in foreign countries, the execution of substitution, reissue, divisional or continuation applications, and the giving of testimony, preliminary statements, or other statements in any interference or other proceeding in which the inventions or any applications or patents directed to the inventions may be involved by communicating to the ASSIGNEE all facts I know relating to the inventions and their history, and generally by doing everything possible which ASSIGNEE shall consider desirable for aiding in securing and maintaining proper patent protection for the inventions and for vesting title in the inventions and all applications for patent and all patents on the inventions in ASSIGNEE;

AND, I further hereby authorize ASSIGNEE or its attorneys or agents to insert the correct serial number(s) and/or filing date(s) into this assignment document, if appropriate;

AND, I hereby appoint ASSIGNEE as my common agent for purposes of prosecuting international patent applications and any national patent applications for which such common agency is recognized;

AND, I hereby request the Director of Patents and Trademarks of the United States to issue any and all patent(s) as shall be granted upon said application or applications based thereon to ASSIGNEE, its successors, assigns, and legal representatives;

AND, I covenant with said ASSIGNEE that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by me, and that full right to convey the same as herein expressed is possessed by me.

B. DECLARATION (37 CFR 1.63)

As a below named inventor, I hereby declare that:

This declaration is directed to the patent application entitled:

**POLYSACCHARIDE COMPOSITIONS AND METHODS OF USE FOR
THE TREATMENT AND PREVENTION OF DISORDERS ASSOCIATED
WITH PROGENITOR CELL MOBILIZATION; and**

attached hereto or prepared for filing in the United States Patent and Trademark Office; or

identified by United States Application Serial No. 14/039,811, filed in the United States Patent and Trademark Office on **September 27, 2013**; or

identified by International Patent Application No. **Serial No.** filed on **Filing Date**.

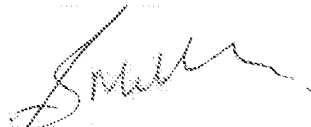
The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

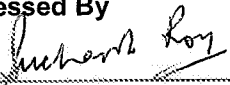
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

I have reviewed and understand the contents of the application, including the claims and am aware of the duty to disclose to the United States Patent and Trademark Office all information known to be material to patentability as defined in 37 CFR 1.56.

Dated this 8th day of March 2014.


Mallikarjun Sundaram


Witnessed By


Witness Signature

Printed Name: SUCHARITA ROY

Date: Mar 8, 2014

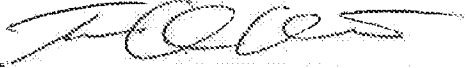
Witnessed By


Witness Signature

Printed Name: Radovanica Todorovic

Date: Mar 7, 2014

Dated this 21 day of Feb 2014.



Takashi Kei Kishimoto

Witnessed By

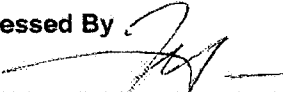


Witness Signature

Printed Name: Dan Ferreri

Date: 2/21/2014

Witnessed By



Witness Signature

Printed Name: Roberto Maldonado

Date: February 21, 2014

SIGNED this 25 day of February 2014.

Sucharita Roy
Name: **Sucharita Roy**

COMMONWEALTH OF Massachusetts

SS.

COUNTY OF Middlesex

Before me this 25th day of February, 2014, 2014, personally appeared **Sucharita Roy**, and proved to me through satisfactory evidence of identity which was Mass Drivers License to be the person whose name is signed on the preceding or attached document, and acknowledged that he/she executed the same, of his/her own free will and for the purposes set forth.

NOTARY PUBLIC

Ann M. Saitta
Name: **Ann M. Saitta**

My Commission Expires: June 11, 2015