

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3760402

|                                                                                                                                                                                                 |                                                                                                                                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | CORRECTIVE ASSIGNMENT                                                                                                                                                                  |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | Corrective Assignment to correct the ASSIGNOR CORINNE BAUER, DOC. DATE previously recorded on Reel 037837 Frame 0530. Assignor(s) hereby confirms the CORRECT DOC. DATE AS 05/01/2008. |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                                                                                                                                                                                        |
| <b>Name</b>                                                                                                                                                                                     | <b>Execution Date</b>                                                                                                                                                                  |
| Xiangping Zhu                                                                                                                                                                                   | 05/03/2008                                                                                                                                                                             |
| Zachary Shriver                                                                                                                                                                                 | 05/08/2008                                                                                                                                                                             |
| Yanjie Jiang                                                                                                                                                                                    | 05/01/2008                                                                                                                                                                             |
| Corinne Bauer                                                                                                                                                                                   | 05/01/2008                                                                                                                                                                             |
| James Eric Anderson                                                                                                                                                                             | 04/30/2008                                                                                                                                                                             |
| Peter James Ahern                                                                                                                                                                               | 05/05/2008                                                                                                                                                                             |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                                                                                                                                                                                        |
| <b>Name:</b>                                                                                                                                                                                    | Momenta Pharmaceuticals, Inc.                                                                                                                                                          |
| <b>Street Address:</b>                                                                                                                                                                          | 675 West Kendall Street                                                                                                                                                                |
| <b>City:</b>                                                                                                                                                                                    | Cambridge                                                                                                                                                                              |
| <b>State/Country:</b>                                                                                                                                                                           | MASSACHUSETTS                                                                                                                                                                          |
| <b>Postal Code:</b>                                                                                                                                                                             | 02142                                                                                                                                                                                  |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                                                                                                                                                                                        |
| <b>Property Type</b>                                                                                                                                                                            | <b>Number</b>                                                                                                                                                                          |
| <b>Application Number:</b>                                                                                                                                                                      | 14795867                                                                                                                                                                               |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                                                                                                                                                                                        |
| <b>Fax Number:</b>                                                                                                                                                                              | (877)769-7945                                                                                                                                                                          |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> |                                                                                                                                                                                        |
| <b>Phone:</b>                                                                                                                                                                                   | (302) 778-8416                                                                                                                                                                         |
| <b>Email:</b>                                                                                                                                                                                   | apsi@fr.com                                                                                                                                                                            |
| <b>Correspondent Name:</b>                                                                                                                                                                      | PATRICK D. COONEY                                                                                                                                                                      |
| <b>Address Line 1:</b>                                                                                                                                                                          | FISH & RICHARDSON P.C.                                                                                                                                                                 |
| <b>Address Line 2:</b>                                                                                                                                                                          | P.O.BOX 1022                                                                                                                                                                           |
| <b>Address Line 4:</b>                                                                                                                                                                          | MINNEAPOLIS, MINNESOTA 55440-1022                                                                                                                                                      |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | 14131-0078005                                                                                                                                                                          |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | KATHY J. BELL                                                                                                                                                                          |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /Kathy J. Bell/                                                                                                                                                                        |

|                                                                                                                                                                                                                                          |            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>DATE SIGNED:</b>                                                                                                                                                                                                                      | 02/29/2016 |
| <b>Total Attachments: 5</b><br>source=Corrected Assignment#page1.tif<br>source=Corrected Assignment#page2.tif<br>source=Corrected Assignment#page3.tif<br>source=Corrected Assignment#page4.tif<br>source=Corrected Assignment#page5.tif |            |

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3757937

|                                                                                                                                                                                                 |                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT                    |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                        |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                                   |
| <b>Name</b>                                                                                                                                                                                     | <b>Execution Date</b>             |
| Xiangping Zhu                                                                                                                                                                                   | 05/03/2008                        |
| Zachary Shriver                                                                                                                                                                                 | 05/08/2008                        |
| Yanjie Jiang                                                                                                                                                                                    | 05/01/2008                        |
| Corinne Bauer                                                                                                                                                                                   | 05/01/2006                        |
| James Eric Anderson                                                                                                                                                                             | 04/30/2008                        |
| Peter James Ahern                                                                                                                                                                               | 05/05/2008                        |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                                   |
| <b>Name:</b>                                                                                                                                                                                    | Momenta Pharmaceuticals, Inc.     |
| <b>Street Address:</b>                                                                                                                                                                          | 675 West Kendall Street           |
| <b>City:</b>                                                                                                                                                                                    | Cambridge                         |
| <b>State/Country:</b>                                                                                                                                                                           | MASSACHUSETTS                     |
| <b>Postal Code:</b>                                                                                                                                                                             | 02142                             |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                                   |
| <b>Property Type</b>                                                                                                                                                                            | <b>Number</b>                     |
| <b>Application Number:</b>                                                                                                                                                                      | 14795867                          |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                                   |
| <b>Fax Number:</b>                                                                                                                                                                              | (877)769-7945                     |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> |                                   |
| <b>Phone:</b>                                                                                                                                                                                   | (302) 778-8416                    |
| <b>Email:</b>                                                                                                                                                                                   | apsi@fr.com                       |
| <b>Correspondent Name:</b>                                                                                                                                                                      | PATRICK D. COONEY                 |
| <b>Address Line 1:</b>                                                                                                                                                                          | FISH & RICHARDSON P.C.            |
| <b>Address Line 2:</b>                                                                                                                                                                          | P.O.BOX 1022                      |
| <b>Address Line 4:</b>                                                                                                                                                                          | MINNEAPOLIS, MINNESOTA 55440-1022 |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | 14131-0078005                     |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | KATHY J. BELL                     |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /Kathy J. Bell/                   |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 02/26/2016                        |

ASSIGNMENT

For valuable consideration, we, YANJIE JIANG of 35 Fremont Street, Apt 2-1, Arlington, MA 02474, PETER JAMES AHERN of 40 G Lake Street, Winchester, MA 01890, JAMES ERIC ANDERSON of 8 Ordway Road, Hudson, MA 01749, CORINNE BAUER of 627 Concord Road, Sudbury, MA 01176, XIANGPING ZHU of 20 Valley View Drive, North Grafton, MA 01536, and ZACHARY SHRIVER of 16 Fairmont Avenue, Cambridge, MA 02139, hereby assign to:

Momenta Pharmaceuticals, Inc.

a corporation of Delaware having a place of business at:

675 West Kendall Street  
Cambridge, MA 02142

and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled ANALYSIS OF AMINO ACID COPOLYMER COMPOSITIONS, filed 4/16/2008, and assigned U.S. Serial Number 61/045,465, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Date: May 1, 2008

  
YANJIE JIANG

Witnessed by:

Name: Maup S. Dore

Date: 05/01/08

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Date: 05 MAY 08

  
PETER JAMES AHERN

Witnessed by:

Name: Maup S. Dore

Date: 05/05/08

Name: Ann M. Saitz

Date: 05/05/08

Date: 30 April 2008

James Eric Anderson  
JAMES ERIC ANDERSON

Witnessed by:

Name: Marilyn S. Dine

Date: 04/30/08

Name: Josh Bartlett

Date: 04/30/08

Date: 01 May 2008

C. Bauer  
CORINNE BAUER

Witnessed by:

Name: Marilyn S. Dine

Date: 05/09/08

Name: Josh Bartlett

Date: 5/01/08

Date:

5/3/08

  
XIANGPING ZHU

Witnessed by:

Name:

Trish Bartlett

Date:

5/3/08

Name:

Marilyn S. Paine

Date:

05/03/08

Date:

8 May 08

  
ZACHARY SHRIVER

Witnessed by:

Name:

Marilyn S. Paine

Date:

05/03/08

Name:

Trish Bartlett

Date:

5/8/08

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