

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4032053

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST
CONVEYING PARTY DATA	
Name	Execution Date
PHARMACEUTICS INTERNATIONAL, INC.	08/31/2016
RECEIVING PARTY DATA	
Name:	ATHYRIUM OPPORTUNITIES II ACQUISITION LP
Street Address:	530 FIFTH AVENUE
Internal Address:	FLOOR 25
City:	NEW YORK
State/Country:	NEW YORK
Postal Code:	10036
PROPERTY NUMBERS Total: 9	
Property Type	Number
Patent Number:	7582679
Application Number:	11874708
Application Number:	14095593
Application Number:	13989687
Application Number:	14175673
Application Number:	14802837
Application Number:	13481397
Application Number:	12547329
Application Number:	12269812
CORRESPONDENCE DATA	
Fax Number:	(202)662-6291
<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>	
Phone:	(202)662-6000
Email:	jaugsburger@cov.com
Correspondent Name:	COVINGTON & BURLING LLP
Address Line 1:	ONE CITYCENTER, 850 TENTH STREET, NW
Address Line 2:	ATTN: PATENT DOCKETING
Address Line 4:	WASHINGTON, D.C. 20001
ATTORNEY DOCKET NUMBER:	035857.00011

PATENT

NAME OF SUBMITTER:	JENNIFER AUGSBURGER
SIGNATURE:	/jennifer augsburger/
DATE SIGNED:	08/31/2016
Total Attachments: 5 source=PII_Notice of Grant of Security Interest in Patents#page1.tif source=PII_Notice of Grant of Security Interest in Patents#page2.tif source=PII_Notice of Grant of Security Interest in Patents#page3.tif source=PII_Notice of Grant of Security Interest in Patents#page4.tif source=PII_Notice of Grant of Security Interest in Patents#page5.tif	

NOTICE
OF
GRANT OF SECURITY INTEREST
IN
PATENTS

United States Patent and Trademark Office

Ladies and Gentlemen:

Please be advised that pursuant to the Security Agreement dated as of August 31, 2016 (as the same may be amended, modified, restated or supplemented from time to time, the "Security Agreement") by and among the Grantors from time to time party thereto (each a "Grantor" and collectively, the "Grantors") and Athyrinn Opportunities II Acquisition LP, as Collateral Agent (the "Collateral Agent") for the Secured Parties referenced therein, the undersigned Grantor has granted a continuing security interest in and continuing lien upon, the patents, patent licenses and patent applications set forth on Schedule 1 attached hereto to the Collateral Agent for the ratable benefit of the Secured Parties.

The undersigned Grantor and the Collateral Agent, on behalf of the Secured Parties, hereby acknowledge and agree that the security interest in the patents, patent licenses and patent applications set forth on Schedule 1 attached hereto (i) may only be terminated in accordance with the terms of the Security Agreement and (ii) is not to be construed as an assignment of any patent, patent license or patent application.

Very truly yours,

PHARMACEUTICS INTERNATIONAL, INC.

By: Syed E. Abidi

Name: Syed E. Abidi, Ph.D.

Title: Chairman and Chief Executive Officer

Acknowledged and Accepted:

ATHYRIUM OPPORTUNITIES II ACQUISITION LP

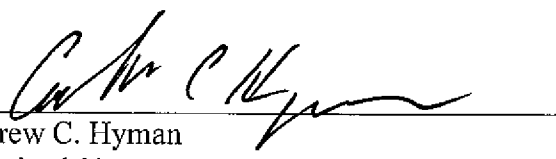
By: Athyrium Opportunities Associates II LP, its general partner

By: Athyrium GP Holdings LLC, its general partner

By: _____

Name: Andrew C. Hyman

Title: Authorized Signatory

A handwritten signature in black ink, appearing to read "Andrew C. Hyman", is written over a horizontal line.

[Signature Page to Notice of Grant Security Interest in Patents]

Schedule 1

INTELLECTUAL PROPERTY RIGHTS

Case Ref.	Patent/ Application	Application Date	Case Status	Country	Title	Category Description	Assignee
239090/US	US 7,582,679 11/346,975	Feb-03-2006	Issued	United States of America	COMPOSITIONS CONTAINING SOLID IBUPROFEN CONCENTRATES AND METHODS OF MAKING SOLID IBUPROFEN CONCENTRATES	National	Pharmaceutics International Incorporated
258489/US	11/874708	Oct-18-2007	Pending	United States of America	PHARMACEUTICAL SOLID HYBRIDS	National	Pharmaceutics International Incorporated
280218/US	14/095593	Dec-03-2013	Pending	United States of America	SOLID NAPROXEN CONCENTRATES AND RELATED DOSAGE FORMS	Continuation	Pharmaceutics International Incorporated
713577/US	13/989687	Aug-13-2013	Pending	United States of America	SELF MICRO- EMULSIFYING DRUG DELIVERY SYSTEM WITH INCREASED BIOAVAILABILITY	PCT National Phase	Pharmaceutics International, Inc.
716180/US	14/175673	Feb-07-2014	Pending	United States of America	TRI-MOLECULAR COMPLEXES AND THEIR USE IN DRUG DELIVERY SYSTEMS	Continuation	Pharmaceutics International Incorporated
721352/US	14/802837	Jul-17-2015	Pending	United States of America	SELF MICRO- EMULSIFYING DRUG DELIVERY SYSTEM WITH INCREASED BIOAVAILABILITY	Divisional	Pharmaceutics International, Inc.
1	U.S. App. No. 13989687 Pub. No. 20130317117 Pub. Date: November 28, 2013	Filing Date: August 13, 2013		United States of America	N/A	N/A	Assignor: Hassan, Emadeldin Assignee: Pharmaceutics International, Inc. 10819 Gilroy Road Hunt Valley, MD 21030 Date Recorded: November 27, 2013 Reel/Frame: 31686-746
2	U.S. App. No. 13481397 Pub. No. 20130122051 Pub. Date: May 16, 2013	Filing Date: May 25, 2012		United States of America	N/A	N/A	Assignors: Abidi, Syed E. Coutinho, Eric R. Gumudavelli, Sridhar Agrawal, Swati Gullapalli, Rampurna

Case Ref.	Patent/ Application	Application Date	Case Status	Country	Title	Category Description	Assignee
							Assignee: Pharmaceutics International, Inc. 10819 Gilroy Road Hunt Valley, MD 21030 Date Recorded: July 9, 2012 Reel/Frame: 28515-891
3	U.S. App. No. 12547329 Pub. No. 20110052679 Pub. Date: March 3, 2011	Filing Date: August 25, 2009		United States of America	N/A	N/A	Assignors: Hassan, Emadeldin M. Gumudavelli, Sridhar Assignee: Pharmaceutics International, Inc. 10819 Gilroy Road Hunt Valley, MD 21030 Date Recorded: February 16, 2010 Reel/Frame: 23939-247
4	U.S. App. No. 12269812 Pub. No. 20090253808 Pub. Date: October 8, 2009	Filing Date: November 12, 2008		United States of America	N/A	N/A	Assignors: Hassan, Emadeldin M. Gumudavelli, Sridhar Assignee: Pharmaceutics International, Inc. 10819 Gilroy Road Hunt Valley, MD 21030 Date Recorded: June 25, 2009 Reel/Frame: 22873-845

Case Ref.	Patent/ Application	Application Date	Case Status	Country	Title	Category Description	Assignee
5	U.S. App. No. 11874708 Pub. No. 20090104236 Pub. Date: April 23, 2009	Filing Date: October 18, 2007		United States of America	N/A	N/A	Assignor: Hassan, Emadeldin M. Assignee: Pharmaceutics International, Inc. 10819 Gilroy Road Hunt Valley, MD 21030 Date Recorded: January 31, 2008 Reel/Frame: 20448-489
6	U.S. App. No. 11346975 Pub. No. 20070184100 Pub. Date: August 9, 2007 Patent No. 7582679 Grant Date: September 1, 2009	Filing Date: February 3, 2006		United States of America	N/A	N/A	Assignor: Hassan, Emadeldin M. Gumudavelli, Sridhar Goldman, David Assignee: Pharmaceutics International, Inc. 10819 Gilroy Road Hunt Valley, MD 21030 Date Recorded: March 31, 2006 Reel/Frame: 17401-199