

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT4716084

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ROMAN V. RARIY	07/22/2009
ALISON B. FLEMING	09/11/2009
JANE HIRSH	07/22/2009
ALEXANDER M. KLIBINOV	06/19/2009
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	COLLEGIUM PHARMACEUTICAL, INC.
<b>Street Address:</b>	780 DEDHAM STREET
<b>Internal Address:</b>	SUITE 700
<b>City:</b>	CANTON
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02021
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15727134
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)842-7899
<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>	2028427800
<b>Email:</b>	zpatdcdocketing@cooley.com, ccunningham@cooley.com
<b>Correspondent Name:</b>	COOLEY LLP
<b>Address Line 1:</b>	ATTN: PATENT GROUP
<b>Address Line 2:</b>	1299 PENNSYLVANIA AVENUE, SUITE 700
<b>Address Line 4:</b>	WASHINGTON, D.C. 20004
<b>ATTORNEY DOCKET NUMBER:</b>	COLG-001/20US 311373-2054
<b>NAME OF SUBMITTER:</b>	SANDHYA DEO
<b>SIGNATURE:</b>	/Sandhya Deo/
<b>DATE SIGNED:</b>	12/04/2017
<b>Total Attachments: 6</b>	

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## ASSIGNMENT

We, Roman V. Rariy of 245 Kelton Street, Apartment 42, Allston, Massachusetts, 02134; Alison B. Fleming of 39 Sumner Street, #1, North Attleboro, Massachusetts, 02760; Jane Hirsh of 15 Peirce Road, Wellesley, Massachusetts, 02581; and Alexander M. Klibanov of 85 East India Row, Apartment 23A, Boston, Massachusetts, 02110, in consideration of ten dollars and other valuable consideration paid to us by Collegium Pharmaceutical, Inc., a corporation of the state of Delaware, having its principal place of business at 400 Highland Corporate Drive, Cumberland, RI 02864 (hereinafter "said Assignee"), the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said Assignee, its successors and assigns, the entire interest for the United States of America, and its territories and all foreign countries and jurisdictions, including all rights of priority under the International Convention for the Protection of Industrial Property, in a certain invention or improvement in "*Abuse-Deterrent Pharmaceutical Compositions of Opioids and Other Drugs*" described in U.S. Serial No. 12/473,073 filed in the United States Patent and Trademark Office on May 27, 2009 by Roman V. Rariy, Alison B. Fleming, Jane Hirsh, and Alexander M. Klibanov, and in the applications to which priority is claimed as follows:

The application referenced above, U.S.S.N. 12/473,073 is a continuation-in-part of U.S.S.N. 12/112,993 filed April 30, 2008, which is a divisional of U.S.S.N. 10/614,866 filed July 7, 2003, which claims priority to U.S.S.N. 60/393,876 filed July 5, 2002; U.S.S.N. 60/436,523 filed December 23, 2002; U.S.S.N. 60/443,226 filed January 28, 2003; U.S.S.N. 60/463,514 filed April 15, 2003; and U.S.S.N. 60/463,518 filed April 15, 2003; and it is also a continuation-in-part of U.S.S.N. 12/112,937, filed April 30, 2008, which is a continuation-in-part of U.S.S.N. 10/614,866, filed July 7, 2003, which claims priority to U.S.S.N. 60/393,876 filed July 5, 2002; U.S.S.N. 60/436,523 filed

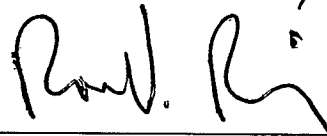
Title: *"Abuse-Deterrent Pharmaceutical Compositions of Opioids and Other Drugs"*  
By: Jane Hirsh, Alison B. Fleming, and Roman V. Rariy  
Filed: May 27, 2009  
ASSIGNMENT

December 23, 2002; U.S.S.N. 60/443,226 filed January 28, 2003; U.S.S.N. 60/463,514 filed April 15, 2003; and U.S.S.N. 60/463,518 filed April 15, 2003 and a continuation-in-part of U.S.S.N. 11/149,867, filed June 10, 2005, which claims priority to U.S.S.N. 60/579,191, filed June 12, 2004, and in all Letters Patent of the United States and its territories and all foreign countries and jurisdictions which may or shall be granted on said invention, or on said application, or any provisional, divisional, continuation, reissue, or other applications based thereon. And we agree, for ourselves and our executors and administrators, with said Assignee and its successors and assigns, but at its or their expense or charges, hereafter to execute all applications, amended specifications, deeds or other instruments, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and its territories and in all other foreign countries and jurisdictions to said Assignee, with specifications and claims in such form as shall be approved by the counsel of said Assignee, and to vest and confirm in said Assignee, its successors and assigns, the legal title to all such patents.

Title: "Abuse-Deterrent Pharmaceutical Compositions of Opioids and Other Drugs"  
By: Jane Hirsh, Alison B. Fleming, and Roman V. Rariy  
Filed: May 27, 2009  
ASSIGNMENT

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said Assignee, its successors and assigns.

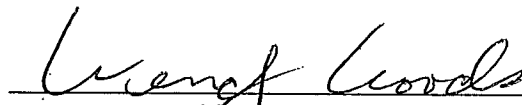
WITNESS my hand and seal this 22 day of July, 2009.



Roman V. Rariy

State of Rhode Island  
County of Providence

Then personally appeared the above named Roman V. Rariy and acknowledged the foregoing instrument to be his free act and deed, before me this 22nd day of July, 2009.

  
Notary Public

My Commission expires: \_\_\_\_\_  
WENDY-ANN WOODS  
NOTARY PUBLIC  
State of Rhode Island  
My Commission Expires  
March 1, 2012

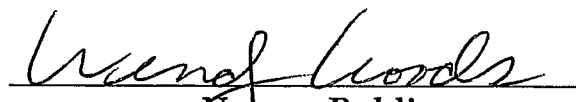
Title: "Abuse-Deterrent Pharmaceutical Compositions of Opioids and Other Drugs"  
By: Jane Hirsh, Alison B. Fleming, and Roman V. Rariy  
Filed: May 27, 2009  
ASSIGNMENT

WITNESS my hand and seal this 11<sup>th</sup> day of September, 2009.

  
Alison B. Fleming

State of Rhode Island  
County of Providence


Then personally appeared the above named Alison B. Fleming and  
acknowledged the foregoing instrument to be her free act and deed, before  
me this 11<sup>th</sup> day of September, 2009.

  
Notary Public

My Commission expires: WENDY-ANN WOODS  
NOTARY PUBLIC  
State of Rhode Island  
My Commission Expires  
March 1, 2012

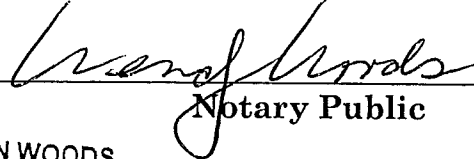
Title: "Abuse-Deterrent Pharmaceutical Compositions of Opioids and Other Drugs"  
By: Jane Hirsh, Alison B. Fleming, and Roman V. Rary  
Filed: May 27, 2009  
ASSIGNMENT

WITNESS my hand and seal this 22 day of July, 2009.

  
Jane Hirsh

State of Rhode Island  
County of Providence

Then personally appeared the above named Jane Hirsh and  
acknowledged the foregoing instrument to be her free act and deed, before  
me this 22nd day of July, 2009.

  
Notary Public

My Commission expires: \_\_\_\_\_  
WENDY-ANN WOODS  
NOTARY PUBLIC  
State of Rhode Island  
My Commission Expires  
March 1, 2012

Title: "Abuse-Deterrent Pharmaceutical Compositions of Opioids and Other Drugs"  
By: Jane Hirsh, Alison B. Fleming, and Roman V. Rariy  
Filed: May 27, 2009  
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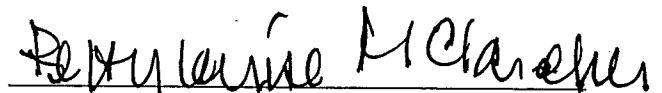
WITNESS my hand and seal this 19<sup>th</sup> day of June, 2009.



Alexander M. Klibanov

State of MASSACHUSETTS  
County of MIDDLESEX

Then personally appeared the above named Alexander M. Klibanov  
and acknowledged the foregoing instrument to be his free act and deed,  
before me this 19 day of JUNE, 2009.

  
Notary Public

My Commission expires: AUGUST 15, 2014

