

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Philip B. Graham	04/13/2011
I. Robert Silverman	04/08/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CONCERT PHARMACEUTICALS, INC.
<b>Street Address:</b>	65 HAYDEN AVENUESUITE
<b>Internal Address:</b>	3000N
<b>City:</b>	LEXINGTON
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02421
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16523920
<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>	(617) 368-2119
<b>Email:</b>	stadnick@fr.com, apsi@fr.com
<b>Correspondent Name:</b>	VASILY A. IGNATENKO
<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>	23982-0020008
<b>NAME OF SUBMITTER:</b>	SHANNON STADNICK
<b>SIGNATURE:</b>	/Shannon Stadnick/
<b>DATE SIGNED:</b>	08/09/2019
<b>Total Attachments: 3</b>	
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ASSIGNMENT

For valuable consideration, we, PHILIP B. GRAHAM of 732 West Street, Carlisle, MA 01741, and I. ROBERT SILVERMAN of 36 Orvis Road, Arlington, MA 02474, hereby assign to: Concert Pharmaceuticals Inc., a corporation of Delaware having a place of business at: 99 Hayden Avenue, Suite 100, Lexington, MA 02421, United States; 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 MORPHINAN COMPOUNDS, filed March 18, 2011, and assigned U.S. Serial Number 13/119,905, 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: 13 April 2011

  
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PHILIP B. GRAHAM

Witnessed by:

Name: Rose Peesichetti

Date: 4/13/11

Name: Jen James-Walker

Date: 4/13/11

Date: April 8, 2011

I. R. Silverman  
I. ROBERT SILVERMAN

Witnessed by:

Name: Rose Persichetti

Date: 4/8/11

Name: Jen James-Wewer

Date: 4/8/11

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