

## 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>
PER-GORAN GILLBERG	05/14/2013
HANS GRAFFNER	05/14/2013
Ingemar Starke	05/14/2013
<b>RECEIVING PARTY DATA</b>	
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<b>City:</b>	GOTHENBURG
<b>State/Country:</b>	SWEDEN
<b>Postal Code:</b>	413 46
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15976584
<b>CORRESPONDENCE DATA</b>	
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<b>NAME OF SUBMITTER:</b>	MARY FLORCZAK
<b>SIGNATURE:</b>	/Mary Florczak/
<b>DATE SIGNED:</b>	05/11/2018
<b>Total Attachments: 2</b>	
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ASSIGNMENT

For valuable consideration, we, PER-GÖRAN GILLBERG of Södermalmsgatan 22, Mölndal, SE-431 69, Sweden, HANS GRAFFNER of Konsulns väg 16, Helsingborg, 252 84, Sweden and INGEMAR STARKE of Frigångsgatan 8c, Goteborg, 41301, Sweden, hereby assign to: Albireo AB, a corporation of Sweden having a place of business at: Arvid Wallgrens Backe 20, 413 46 Gothenburg, Sweden; 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 IBAT INHIBITORS FOR THE TREATMENT OF LIVER DISEASES, filed April 25, 2013, and assigned U.S. Serial Number 13/881,447, 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: 14 May 2013 *Per Goran Gillberg*  
PER-GÖRAN GILLBERG

Witnessed by:

Name: *Anders Pramberg* Date: 14 May 2013

Name: *[Signature]* Date: 14 May 2013

Date: 14 May 2013 *[Signature]*  
HANS GRAFFNER

Witnessed by:

Name: *Leif Riel* Date: 14 May 2013

Name: *Anders Pramberg* Date: 14 May 2013

Date: 14 May 2013 *Ingemar Starke*  
INGEMAR STARKE

Witnessed by:

Name: *Anders Pramberg* Date: 14 May 2013

Name: *[Signature]* Date: 14 May 2013

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