

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4686765

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	NUNC PRO TUNC ASSIGNMENT
EFFECTIVE DATE:	09/16/2014

CONVEYING PARTY DATA

Name	Execution Date
SUSANNA CREMONESI	05/02/2017
FABRIZIO MICHELI	05/02/2017
TERESA SEMERARO	05/02/2017
LUCA TARSI	05/02/2017
TIM LUKER	05/05/2017
COLIN LESLIE	05/02/2017

RECEIVING PARTY DATA

Name:	SHIRE INTERNATIONAL GMBH
Street Address:	ZAHLERWEG 10
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State/Country:	SWITZERLAND
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15511515

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NAME OF SUBMITTER:	JEFFREY R LOMPNEY
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DATE SIGNED:	11/13/2017

Total Attachments: 7

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ASSIGNMENT OF PATENTS
Nunc Pro Tunc

This Assignment of Patents ("*Assignment*") is made and entered into *nunc pro tunc* as of September 16, 2014 by and between:

Susanna CREMONESI, an individual residing in Verona, IT; Fabrizio MICHELI, an individual residing in Verona, IT; Teresa SEMERARO, an individual residing in Verona, IT; Luca TARSI, an individual residing in Verona, IT; Tim LUKER, an individual residing in Nottingham, GB; and Colin LESLIE, an individual residing in Verona, IT; ("*Assignor*") and

Shire International GmbH, incorporated and registered under the laws of Switzerland, whose registered office is at Zahlerweg 10, CH - 6300 Zug, Switzerland ("*Assignee*").

WHEREAS, Assignor and Assignee have agreed to cause Assignor to assign and transfer to Assignee all of Assignor's right, title, and interest in and to the patent identified herein.

NOW, THEREFORE, the mutual agreements of the parties set forth herein, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties, intending to be legally bound, and upon the terms set forth herein, agree as follows:

Assignor does hereby irrevocably assign, sell, transfer, and set over to Assignee, its successors and assigns, its entire right, title, and interest in, to, and under International Patent Application No. PCT/IB2015/057031 (filed on 14 September 2015) including all rights pursuant to 35 U.S.C. § 154, any and all letters patents issuing from continuing, counterparts, divisional, and continuation-in-part applications, substitutions, reissues, extensions, renewals, and reexaminations thereof, any foreign counterparts thereof (collectively, the "*Assigned Patents*") throughout the world, including any and all causes of action, and rights to damages and profits, due or accrued, relating to the foregoing, including the right to sue and recover for, and the right to profits and damages due or accrued arising out of or in connection with any and all past, present or future infringements or dilutions. The assignment of the Assigned Patents includes all documents related to the conception, diligence, and reduction to practice of the inventions disclosed therein and all domestic and international patent filing documents.

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NAME AND SIGNATURE OF ASSIGNOR

Name: Susanna CREMONESI

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Susanna Cremonesi

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2nd May 2017

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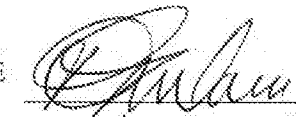

5th May 2017

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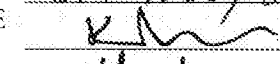
DATE


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