## 504590599 10/12/2017

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT4637311

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
ACTELION PHARMACEUTICALS LTD	09/06/2017

## **RECEIVING PARTY DATA**

Name:	IDORSIA PHARMACEUTICALS LTD		
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## **PROPERTY NUMBERS Total: 2**

Property Type	Number			
Application Number:	15526983			
Application Number:	15528407			

## **CORRESPONDENCE DATA**

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SIGNATURE:	/ras/
DATE SIGNED:	10/12/2017

**Total Attachments: 2** source=US\_AD\_2#page1.tif

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PATENT 504590599 REEL: 043846 FRAME: 0397

#### UNITED STATES OF AMERICA

### ASSIGNMENT OF PATENT

U.S. Patent Nos.: As mentioned in the attached Schedule A

For good and valuable consideration in hand paid, the receipt and sufficiency whereof are hereby acknowledged, Actelion Pharmaceuticals Ltd, a stock corporation organized under the laws Switzerland, having an address at Gewerbestrasse 16, CH-4123 Allschwil, Switzerland (Assignor), hereby sells, assigns, transfers and sets over to Idorsia Pharmaceuticals Ltd, a stock corporation organized under the laws of Switzerland, having an address at Hegenheimermattweg 91, CH-4123 Allschwil, Switzerland (Assignee) and to the successors and assigns of Assignee, the entire right, title and interest in the invention or improvements of the undersigned disclosed in U.S. Patent Nos.: in the attached Schedule A; THEREOF, and in said patents and any and all other applications, both United States and foreign, which the undersigned may have filed and/or may file, either solely or jointly with others, on said inventions or improvements in any United States or foreign patent application claiming priority from, or claiming the same or improved invention as, any or all of the applications upon which said U.S. Patents issued, and in any and all Letters Patent or industrial models of the United States and foreign countries which may be obtained on any of said applications and in any reissue or extension of such patents, for the full term or terms for which said Patent, Patents or Industrial Design are or may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by Assignor had this assignment and sale not been made; together with all claims for damages by reason of past infringement of any or all of said Patents with the right to sue for and collect the same.

Assignor warrants itself to be the owner of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrants that there are no outstanding prior assignments, licenses, or other encumbrances on the interests herein assigned. Assignor hereby covenants that no other assignment, sale, agreement or encumbrance will be made or entered into which would conflict with this sale and assignment.

Assignor further covenants that Assignee will, upon its request and at the expense of Assignee, be provided promptly with all pertinent facts and documents relating to said inventions and said Letters Patents and legal equivalents as may be known and accessible to Assignor and will testify or cause appropriate persons to testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute or have executed, to the best of its ability, and deliver to Assignee or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce any and all of said applications, said inventions and said letters patent and foreign equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

This assignment is made in accordance with the terms of the Demerger Agreement concluded and executed by both parties as of  $26^{th}$  day of January, 2017.

Actelion Pharmaceuticals Ltd

06.09.2017 Date

By: Christoph Klamp, Authorized Signatory (Assignor)

PATENT REEL: 043846 FRAME: 0398

# UNITED STATES OF AMERICA SCHEDULE A

Country	Status	Application No	Application Date	Grant No.	Grant Date	Applicant/Patentees
United States of America	Granted	08/102,654	05-Aug-1993	6,291,657	18-Sep-2001	Actelion Pharmaceuticals Ltd
United States of America	Granted	11/196,153	03-Aug-2005	8,729,099	20-May-2014	Actelion Pharmaceuticals Ltd, The Chancellor, Masters and Scholars of the University of Oxford
United States of America	Granted	14/246,879	07-Apr-2014	9,199,935	01-Dec-2015	Actelion Pharmaceuticals Ltd, The Chancellor, Masters and Scholars of the University of Oxford
United States of America	Pending	15/526,983	30-Nov-2015			Actelion Pharmaceuticals Ltd
United States of America	Pending	15/528,407	18-Nov-2015			Actelion Pharmaceuticals Ltd

PATENT REEL: 043846 FRAME: 0399

**RECORDED: 10/12/2017**