

## 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>       |
| BIRDS PHARMA GMBH BEROLINA INNOVATIVE RESEARCH & DEVELOPMENT SERVICES   | 05/25/2015                  |
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| <b>PROPERTY NUMBERS Total: 1</b>  |                             |
| <b>Property Type</b>  | <b>Number</b>               |
| Patent Number:  | 8247603                     |
| <b>CORRESPONDENCE DATA</b>  |                             |
| <b>Fax Number:</b>  |                             |
| <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> |                             |
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| <b>ATTORNEY DOCKET NUMBER:</b>  | 769.1002                    |
| <b>NAME OF SUBMITTER:</b>   | CLIFFORD M DAVIDSON         |
| <b>SIGNATURE:</b>   | /Clifford M Davidson/       |
| <b>DATE SIGNED:</b>   | 06/09/2015                  |
| <b>Total Attachments: 2</b>   |                             |
| source=Assignment Search_ Assignee_ BIRDS PHARMA GMBH BEROLINA INNOVATIVE#page2.tif   |                             |
| source=Assignment Search_ Assignee_ BIRDS PHARMA GMBH BEROLINA INNOVATIVE#page3.tif   |                             |

**ASSIGNMENT**

WHEREAS, BIRDS Pharma GmbH Berolina innovative Research & Development Services, Fontanestraße 84-90, 15366 Neuenhagen, Germany; ASSIGNOR(S), is the owner of certain new and useful improvements in DEUTERATED CATECHOLAMINE DERIVATIVES AND MEDICAMENTS COMPRISING SAID COMPOUNDS, an application for a Patent of the United States for which:

X is identified by Davidson, Davidson & Kappel, LLC, as Docket No. 769.1002;  
X was filed on August 18, 2008 as U.S. Application Serial No. 12/224,120, now issued as U.S. Patent 8,247,603 on August 21, 2012.

WHEREAS, imphar Aktiengesellschaft, of Fontanestrass 84 – 90, 15366 Neuenhagen bei Berlin, Germany;, ASSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me (us) in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I (we), the said ASSIGNOR(S), have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and

I (WE) HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument; and

I (WE) HEREBY covenant and agree that I (we) have full right to convey the entire interest herein assigned, and that I (we) have not executed, and will not execute, any agreement in conflict herewith; and

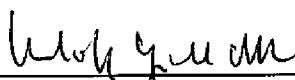
ASSIGNMENT

Docket No.: 769.1002

I (WE) HEREBY further covenant and agree that I (we) will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, I (we) hereunto set my (our) hand(s) and seal(s) the day and year set opposite my (our) signature(s).

Dated: 2015 - May - 25

  
Name: Rudolf-Giesbert Alken  
Title: CEO of BiRDS Pharma GmbH