

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| JUERGEN DAEMMGEN | 09/15/2009 |
| OLAF JOENS | 08/31/2009 |
| RAINER KLEEMANN | 09/01/2009 |
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| Postal Code: | 55216 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 14175175 |
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| DATE SIGNED: | 10/30/2018 |
| Total Attachments: 6 | |
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| source=eAssignment#page5.tif | |

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned ("the Assignors"):

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hereby sell, assign and transfer to Boehringer Ingelheim Vetmedica GmbH, a corporation of the Federal Republic of Germany, having a place of business at Binger Strasse 173, 55216 Ingelheim am Rhein, Federal Republic of Germany, its successors, assigns and legal representatives (collectively "the Assignee"), our entire right, title and interest, including all rights of priority, in and to the application for United States Letters Patent which is entitled:

Use of PDE III Inhibitors for the Treatment of Asymptomatic (Occult) Heart Failure
("the Application")

which

was executed by the Assignors on

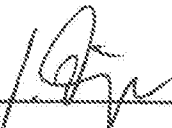



was deposited with the United States Patent and Trademark Office on June 11, 2009, and accorded Serial No.: 12/482,481

and any and all improvements which are disclosed in the Application ("the Improvements") and all provisional, divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States or any other country on any of the Improvements, and in and to all original and reissued patents which have been or shall be issued in the United States or any other country on the Improvements;

Agree that the Assignee may apply for and receive Letters Patent for the Improvements in its own name or in Assignors' names, and that, when requested, without charge to but at the expense of the Assignee to carry out in good faith the intent and purpose of this assignment, the Assignors will execute all provisional, divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all of the Improvements, execute all rightful oaths, assignments, powers of attorney, and other papers, communicate to the Assignee all facts known to the Assignors relating to the Improvements and the history thereof, participate and assist in any judicial or administrative proceedings concerning the Improvements, and generally do everything possible which the Assignee considers desirable for aiding in

securing and maintaining proper patent protection for the improvements and for vesting title to the Improvements and all applications for patents and all patents on the Improvements in the Assignee; and

Covenant with the Assignee that no assignment, grant, mortgage, license, or other agreement affecting the rights and property in the Improvements herein conveyed has been made to others by the Assignors, and that full right to convey the same as herein expressed is possessed by the Assignors.

| SIGNATURE OF APPLICANT | DATE |
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| Juergen DAEMMGEN  | Sep 15, 2009 |
| Olaf JOENS  | Aug 31, 2009 |
| Rainer KLEEMANN  | Sep 01, 2009 |
| Christian TROETSCHEL  | Sep. 23, 2009 |
| Andrea VOLLMAR | |

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned ("the Assignors"):

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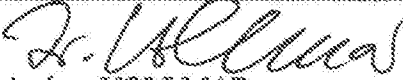
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and any and all improvements which are disclosed in the Application ("the Improvements") and all provisional, divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States or any other country on any of the Improvements, and in and to all original and reissued patents which have been or shall be issued in the United States or any other country on the Improvements;

Agree that the Assignee may apply for and receive Letters Patent for the Improvements in its own name or in Assignors' names, and that, when requested, without charge to but at the expense of the Assignee to carry out in good faith the intent and purpose of this assignment, the Assignors will execute all provisional, divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all of the Improvements, execute all rightful oaths, assignments, powers of attorney, and other papers, communicate to the Assignee all facts known to the Assignors relating to the Improvements and the history thereof, participate and assist in any judicial or administrative proceedings concerning the Improvements, and generally do everything possible which the Assignee considers desirable for aiding in

securing and maintaining proper patent protection for the improvements and for vesting title to the Improvements and all applications for patents and all patents on the Improvements in the Assignee; and

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| SIGNATURE OF APPLICANT | DATE |
|---|------------|
| Juergen DAEMMGEN | |
| Olaf JOENS | |
| Rainer KLEEMANN | |
| Christian TROETSCHEL | |
|  Andrea VOLLMAR | 10/07/2009 |