PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BART RUDOLF ROMANIE KESTELEYN	03/31/2016
PIERRE JEAN-MARIE BERNARD RABOISSON	03/31/2016

RECEIVING PARTY DATA

Name:	JANSSEN PHARMACEUTICA NV
Street Address:	TURNHOUTSEWEG 30
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16087800

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NAME OF SUBMITTER:	LYNN MOROZIN
SIGNATURE:	/Lynn Morozin/
DATE SIGNED:	09/27/2018

Total Attachments: 2

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> **PATENT** REEL: 046988 FRAME: 0446

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General Assignment

Between

KESTELEYN, Bart Rudolf Romanie (hereinafter referred to as "Assignor")

AND

Janssen Pharmaceutica NV, having its place of business at Turnhoutseweg 30, 2340 Beerse, Belgium (hereinafter referred to as "Assignee")

WHEREAS at the time the invention of

"Substituted indole-derivatives as dengue viral replication inhibitors"

(hereinafter referred to as "Invention") was made, Assignor was an employee of Assignee. The Assignor is co-inventor of the Invention,

for which on the 31st day of March 2016, European Patent Application no. 16163312.8 was filed at the European Patent Office.

WHEREAS, the conditions under which said Invention was made are such that as defined in the contract as an employee of Assignee, the Assignor automatically entitles Assignee to the entire right, title and interest to said Invention and improvements thereof, including the right to claim priority of a priority application for the Invention, both domestic and foreign; and

WHEREAS, the Assignee is desirous of acquiring Assignor's entire right, title and interest in the Invention and improvements thereof, including the right to claim priority of a priority application for the Invention, both domestic and foreign.

NOW, THEREFORE, BE IT KNOWN, that, for good and valuable consideration the receipt of which from the Assignee is hereby acknowledged, the Assignor for the avoidance of doubt hereby assigns and transfers to the Assignee his entire right, title and interest, including the right to claim priority of a priority application for the Invention, in and to said Invention and improvements thereof, which may be disclosed in a patent application and in and to said patent application, and all foreign equivalents thereof, including all provisionals, substitutions, divisions, and continuations thereof, and in and to all Letters Patent, both domestic and foreign, that may be granted for said Invention, and in and to all extensions, supplementary protection certificates, reexaminations, renewals, and reissues thereof, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment had not been made.

The Assignor covenants that the Assignor has the full right and obligation to convey the interest assigned by this Assignment, and the Assignor has not executed and will not execute any agreement in conflict with this Assignment.

The Assignor further agrees to make, execute and deliver to the Assignee upon request, any and all papers, documents, declarations, affidavits, or other instruments that may be necessary in the prosecution of any application or applications for the Invention and improvements thereof, including all provisionals, substitutions, divisions, and continuations thereof, or for Letter Patents, both domestic and foreign, that may be granted for said Invention, and in and to all extensions, supplementary protection certificates, reexaminations, renewals, and reissues thereof, and to assist the Assignee in every way as may be requested in protecting said Invention. The Assignor acknowledges that this obligation includes the duty to execute, in a timely manner, any Declaration and Power of Attorney that may be necessary in the prosecution of applications relating to said Invention in the United States or elsewhere.

The Assignor agrees that this general assignment is effective from the 31st day of March 2016.

IN TESTIMONY WHEREOF, the Assignor and Assignee set hereunto their hand and seal this date.

KESTELEYN, Bart Rudolf Romanie

Frank Daelemans, Authorized Signatory

Janssen Pharmaceutica NV

PATENT REEL: 046988 FRAME: 0447

General Assignment

Between

RABOISSON, Pierre Jean-Marie Bernard (hereinafter referred to as "Assignor")

AND

Janssen Pharmaceutica NV, having its place of business at Turnhoutseweg 30, 2340 Beerse, Belgium (hereinafter referred to as "Assignee")

WHEREAS at the time the invention of

"Substituted indole-derivatives as dengue viral replication inhibitors"

(hereinafter referred to as "Invention") was made, Assignor was an employee of Assignee. The Assignor is co-inventor of the Invention,

for which on the 31st day of March 2016, European Patent Application no. 16163312.8 was filed at the European Patent Office.

WHEREAS, the conditions under which said Invention was made are such that as defined in the contract as an employee of Assignee, the Assignor automatically entitles Assignee to the entire right, title and interest to said Invention and improvements thereof, including the right to claim priority of a priority application for the Invention, both domestic and foreign; and

WHEREAS, the Assignee is desirous of acquiring Assignor's entire right, title and interest in the Invention and improvements thereof, including the right to claim priority of a priority application for the Invention, both domestic and foreign.

NOW, THEREFORE, BE IT KNOWN, that, for good and valuable consideration the receipt of which from the Assignee is hereby acknowledged, the Assignor for the avoidance of doubt hereby assigns and transfers to the Assignee his entire right, title and interest, including the right to claim priority of a priority application for the Invention, in and to said Invention and improvements thereof, which may be disclosed in a patent application and in and to said patent application, and all foreign equivalents thereof, including all provisionals, substitutions, divisions, and continuations thereof, and in and to all Letters Patent, both domestic and foreign, that may be granted for said Invention, and in and to all extensions, supplementary protection certificates, reexaminations, renewals, and reissues thereof, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment had not been made.

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The Assignor agrees that this general assignment is effective from the 31st day of March 2016.

IN TESTIMONY WHEREOF, the Assignor and Assignee set hereunto their hand and seal this date.

RABOISSON, Pierre Jean-Marie Bernard

RECORDED: 09/27/2018

Frank Daelemans, Authorized Signatory

Janssen Pharmaceutica NV

PATENT REEL: 046988 FRAME: 0448