503883284 06/22/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NOVARTIS AG	06/15/2016

RECEIVING PARTY DATA

Name:	GLAXOSMITHKLINE BIOLOGICALS SA		
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PROPERTY NUMBERS Total: 2

Property Type	Number	
Application Number:	14805119	
Patent Number:	9125864	

CORRESPONDENCE DATA

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NAME OF SUBMITTER:	CARLY MORROW	
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DATE SIGNED:	06/22/2016	

Total Attachments: 1

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PATENT 503883284 REEL: 038983 FRAME: 0886

CONFIRMATORY ASSIGNMENT

WE, NOVARTIS AG a company limited by shares duly incorporated in Switzerland and whose registered office is at Lichtstrasse 35, 4056 Basel, Switzerland do hereby declare that we are the sole owner of the following patents/ patent applications entitled "OMV Vaccines".

Country	Application Date	Application Number	Grant Date	Patent Number
European Patent Convention	10-Jun-11	11775837 5		
United States	21-Jul-15	14/805119		
United States	10-Jun-11	13/702949	08-Sep-15	9125864

And in accordance with the Intellectual Property Assignment Agreement dated 2 March 2015 between NOVARTIS AG and GLAXOSMITHKLINE BIOLOGICALS SA, for good and valuable consideration, the receipt of which is hereby acknowledged, we NOVARTIS AG have assigned the entire right, title and interest and from which priority may be claimed from one or more applications, or any division, continuation and continuation-in-part of said application to in and to said patent application and all countries in which this/ these application(s) are filed to GLAXOSMITHKLINE BIOLOGICALS SA of Rue de l'Institut 89, 1330 Rixensart, Belgium

Dated this 15 day of June 2016.

Signed for and on behalf of

NOVARTIS AG

ame Bl Life

Authorized Signatory on behalf of NOVARTIS

Theodore R. Furman

Authorized Signatory on behalf of

NOVARTIS AG

Signed for and on behalf of

GLAXOSMITHKLINE BIOLOGICALS SA

William R Majarian

Authorized Official on behalf of

GLAXOSMITHKLINE BIOLOGICALS SA

PATENT REEL: 038983 FRAME: 0887

RECORDED: 06/22/2016