

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3984922

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
SEQUENCE:	4
CONVEYING PARTY DATA	
Name	Execution Date
NOVARTIS AG	03/25/2015
RECEIVING PARTY DATA	
Name:	GLAXOSMITHKLINE BIOLOGICALS SA
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City:	RIXENSART
State/Country:	BELGIUM
Postal Code:	1330
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14918417
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DATE SIGNED:	07/29/2016
Total Attachments: 1	
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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 US patents/applications.


US 8980286 issued March 17, 2015, entitled "MULTIPLE VARIANTS OF MENINGOCOCCAL PROTEIN NMB1870"

US 13/367289 filed February 5, 2012 entitled "MULTIPLE VARIANTS OF MENINGOCOCCAL PROTEIN NMB1870"


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 25 day of March 2015.

Signed for and on behalf of
NOVARTIS AG

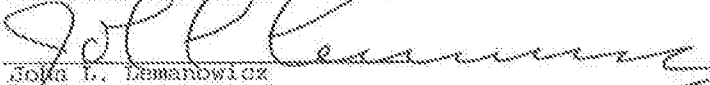


Atsuko Polzin
Authorized Attorney on behalf of
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Marco Kienreich
Authorized Attorney on behalf of
NOVARTIS AG

Signed for and on behalf of
GLAXOSMITHKLINE BIOLOGICALS SA



John L. Demanowicz
Authorized Official on behalf of
GLAXOSMITHKLINE BIOLOGICALS SA