

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3595224

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
GSK VACCINES S.R.L. (FORMERLY NOVARTIS VACCINES AND DIAGNOSTICS S.R.L.)	10/26/2015
NOVARTIS AG	10/26/2015
RECEIVING PARTY DATA	
Name:	GLAXOSMITHKLINE BIOLOGICALS SA
Street Address:	RUE DE L'INSTITUT 89
City:	RIXENSART
State/Country:	BELGIUM
Postal Code:	1330
PROPERTY NUMBERS Total: 5	
Property Type	Number
Patent Number:	7348006
Patent Number:	7754218
Patent Number:	RE45587
Application Number:	14020607
Application Number:	14716806
CORRESPONDENCE DATA	
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NAME OF SUBMITTER:	OTIS LITTLEFIELD
SIGNATURE:	/Otis Littlefield/
DATE SIGNED:	10/30/2015

Total Attachments: 2

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CONFIRMATORY ASSIGNMENT

WE, GSK VACCINES S.R.L. (formerly known as NOVARTIS VACCINES AND DIAGNOSTICS S.R.L.) a company incorporated under the laws of Italy, having its registered office at Via Fiorentina 1, 53100, Siena, Italy, and 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 or were the sole owner of the following US patent/application(s).

APPLICATION NUMBER	PATENT NUMBER	FILING DATE	TITLE
10/484,702	7,348,006	26 July 2002	VACCINES COMPRISING ALUMINIUM ADJUVANTS AND HISTIDINE
11/968,920	7,754,218	3 January 2008	VACCINES COMPRISING ALUMINUM ADJUVANTS AND HISTIDINE
13/365,202	RE45587	2 February 2012	VACCINES COMPRISING ALUMINUM ADJUVANTS AND HISTIDINE
14/020,607		6 September 2013	VACCINES COMPRISING ALUMINUM ADJUVANTS AND HISTIDINE
14/716,806		19 May 2015	VACCINES COMPRISING ALUMINUM ADJUVANTS AND HISTIDINE

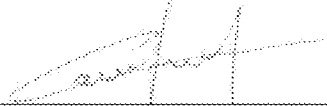
And in accordance with the Patent Assignment Agreement dated 26 February 2015 between Novartis Vaccines and Diagnostics S.r.l., Novartis Pharma AG and Novartis AG, NOVARTIS VACCINES AND DIAGNOSTICS S.R.L. has assigned and GSK VACCINES S.R.L. hereby assigns the entire right, title and interest and from 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 Novartis AG. 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 and hereby assign 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

NOVARTIS VACCINES AND DIAGNOSTICS S.R.L. has changed its name, as of 1 September
2015, into the new name "GLAXOSMITHKLINE VACCINES S.R.L." or in abbreviated form
"GSK VACCINES S.R.L."

Dated this 26 OCTOBER 2015

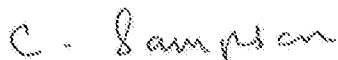
Signed for and on behalf of GSK VACCINES S.R.L.



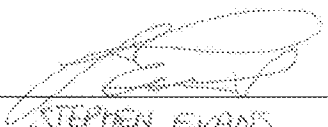
Antoine COURGEON
Authorized Signatory on behalf of GSK VACCINES S.R.L.

Dated this 26 OCTOBER 2015

Signed for and on behalf of NOVARTIS AG



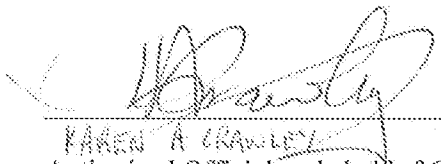
CATHERINE SAMPSON
Authorized Signatory on behalf of NOVARTIS AG



STEPHEN EVANS
Authorized Signatory on behalf of NOVARTIS AG

Dated this 23 OCTOBER 2015

Signed for and on behalf of GLAXOSMITHKLINE BIOLOGICALS SA



KAREN A CRAWLEY
Authorized Official on behalf of GLAXOSMITHKLINE BIOLOGICALS SA