504430507 06/26/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4477207

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NOVARTIS VACCINES AND DIAGNOSTICS GMBH	11/08/2010

RECEIVING PARTY DATA

Name:	NOVARTIS AG
Street Address:	LICHTSTRASSE 35
City:	BASEL
State/Country:	SWITZERLAND
Postal Code:	4056

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15632562

CORRESPONDENCE DATA

Fax Number: (212)407-7799

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Correspondent Name: VEDDER PRICE P.C.

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NAME OF SUBMITTER:	BRENDY LYNN BELONY	
SIGNATURE:	/Brendy Lynn Belony/	
DATE SIGNED:	06/26/2017	

Total Attachments: 2

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PATENT 504430507 REEL: 042812 FRAME: 0406

ASSIGNMENT OF PATENT APPLICATION

Whereas Novartis Vaccines and Diagnostics GmbH, a corporation of the country of the Germany, having a place of business at Emil-von-Behring Strasse 76, Marburg, Germany 35041, ("ASSIGNOR") and Novartis AG, a corporation of Switzerland having a place of business at Lichtstrasse 35, 4056 Basel, Switzerland, ("ASSIGNEE") have agreed that ASSIGNEE shall acquire from ASSIGNOR the following patents and/or patent applications ("PATENT PROPERTIES"):

Patent No.

Application No.

Filing Date

Issue Date

61/283,518

December 3, 2009

Therefore, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR, the owner of the entire right, title, and interest in the PATENT PROPERTIES, hereby sells, assigns, transfers and conveys to ASSIGNEE, its designees, successors, assigns and legal representatives, the entire right, title and interest in the PATENT PROPERTIES and all divisions, continuations, reissues and reexaminations thereof, the inventions therein, and all rights to claim priority from the PATENT PROPERTIES and all applications for patent that may be filed for the inventions in any foreign country and all patents that may be granted on the inventions in any foreign country, and all extensions, renewals, and reissues thereof; each and every of the foregoing rights, titles and interests herein assigned shall be held and enjoyed by ASSIGNEE, its successors, assigns and legal representatives, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

IN TESTIMONY WHEREOF, Assignor has caused this Assignment to be duly executed in its name and behalf by affixing its hand and seal thereto by its designated officer, director, or agent, whose name and title appear below.

PATENT REEL: 042812 FRAME: 0407

Executed at Emeryville, California this day of November, 2010.		
No	vartis Vaccines and Diagnostics GmbH	
	M	
Sig	nature	
Nar	me: Amy Hessler	
Tit	e: Attorney-in-Fact	
appeared <u>Amy Hessler</u> , personally know the within instrument and acknowledged	, <u>Kara N. Shury</u> , Notary Public , personally on to me to be the person whose name is subscribed to do not that she executed the same in her authorized the instrument the person, or the entity upon behalf of	
which the person acted, executed the inst	* :	
foregoing paragraph is true and correct. WITNESS my hand and official seal.	Commission # 1831064 Notary Public - California Alameda County Ny Comm. Expires Jan 13, 2013	
Signature of Notary Public	Place Notary Seal Above	

RECORDED: 06/26/2017

PATENT REEL: 042812 FRAME: 0408