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PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Mario CONTORNI	11/30/2011

RECEIVING PARTY DATA

Name:	Novartis Vaccines and Diagnostics S.r.l.
Street Address:	Via Fiorentina 1
City:	Siena
State/Country:	ITALY
Postal Code:	I-53100

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	13250094
PCT Number:	IB0500927

CORRESPONDENCE DATA

Fax Number: (510)655-3542

Email: diana-1.castillo@novartis.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: Novartis Vaccines and Diagnostics, Inc.

Address Line 1: 4560 Horton Street

Address Line 2: IP Services M/S X-100B

Address Line 4: Emeryville, CALIFORNIA 94608-2916

ATTORNEY DOCKET NUMBER:	PAT051746-US-CNT
NAME OF SUBMITTER:	Helen Lee

Total Attachments: 2

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PATENT

REEL: 027688 FRAME: 0660

ASSIGNMENT

For good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I

Mario CONTORNI

do hereby sell, assign and transfer to to **Novartis Vaccines and Diagnostics**, **S.r.l.**, **Via Fiorentina 1**, **Siena, ITALY**, **I-53100**, (hereinafter referred to as the "**ASSIGNEE**") and its successors, assigns and legal representatives, my right, title and interest for all countries of the world in and to (1) all of our inventions and discoveries described in the patent application(s) entitled

COMBINATION VACCINES WITH LOW DOSE OF HIB CONJUGATE

filed* in the RO/IB on March 14, 2005, and accorded International Patent Application Number PCT/IB05/000927, (2) said patent application(s), (3) all national stages of said international patent application, (4) all other patent applications in all countries and regions claiming the priority of the United Kingdom, patent application filed on March 15, 2004 and accorded Application Number 0405787.3 and United States Of America, patent application filed on September 30, 2011 and accorded Application Number 13/250,094 (5) all continuations and divisions of all of said patent applications (including further continuations and divisions such as, but not limited to, continuations of continuations and continuations of divisions), ((2)-(5) hereinafter referred to collectively as "patent applications"), (6) all patents that are granted on any of said patent applications, (7) all registrations and confirmations of, and importation certificates based on, one or more of said patents and (8) all reissues, renewals and extensions of said patents, reexamination certificates issued for said patents and supplementary protection certificates based on said patents (including the right to file patent applications on said inventions and discoveries in the names of ASSIGNEE, their designees or in any or all of our names, at their election and in accordance with applicable law in all countries and regions and all rights of priority in all countries and regions for all of said patent applications under the International Convention for the Protection of Industrial Property, and all other applicable similar international agreements), the same to be held and enjoyed by said ASSIGNEE, their successors, assigns and legal representatives, to the full ends of the terms for which all patents therefor may be granted, as fully and entirely as the same would have been held and enjoyed by us if this sale, assignment and transfer had not been made.

*We hereby authorize **ASSIGNEE** and their representatives to insert in this instrument the Application Number and the filing date of said patent application when notified thereof.

And we hereby covenant and agree that we will, at any time, upon the request and at the expense of ASSIGNEE, execute and deliver all documents that may be necessary or desirable to perfect the title to the foregoing inventions and discoveries, patent applications, patents, registrations, confirmations, importation certificates, reissues, renewals, extensions, reexamination certificates and supplementary protection certificates in ASSIGNEE, their successors, assigns or other legal representatives, including the execution and procurement of all further documents evidencing this sale, assignment and transfer as may be necessary or desirable for recording the same in the patent office or other intellectual property office, agency or the like of any country or region, that we will, at any time, upon the request and at the expense of ASSIGNEE, execute all additional patent applications, applications for registration and/or confirmation of one or more of said patents, applications for reissues, renewals and extensions of one or more of said patents and supplemental protection certificates based upon one or more of said patents, and that we will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein, without further compensation, but at the expense of ASSIGNEE, the successors, assigns or other legal representatives.

PATENT REEL: 027688 FRAME: 0661 This Assignment is effective as from the earliest priority date as stated above

Executed this <u>30</u> day of <u>404</u>, 2011

Name: Mario CONTORNI

Witness:

Witness:

PATENT REEL: 027688 FRAME: 0662