

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Guido Grandi</td> <td>08/12/2011</td> </tr> <tr> <td>Immaculada Margarit Y Ros</td> <td>08/12/2011</td> </tr> <tr> <td>Andrea Guido Oreste Manetti</td> <td>08/18/2011</td> </tr> </tbody> </table>		Name	Execution Date	Guido Grandi	08/12/2011	Immaculada Margarit Y Ros	08/12/2011	Andrea Guido Oreste Manetti	08/18/2011
Name	Execution Date								
Guido Grandi	08/12/2011								
Immaculada Margarit Y Ros	08/12/2011								
Andrea Guido Oreste Manetti	08/18/2011								
RECEIVING PARTY DATA									
Name:	Novartis Vaccines and Diagnostics Srl								
Street Address:	Via Fiorentina 1								
City:	Siena								
State/Country:	ITALY								
Postal Code:	I-53100								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13912472</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13912472				
Property Type	Number								
Application Number:	13912472								
CORRESPONDENCE DATA									
Fax Number: 2028243001									
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone: 2028243291									
Email: lhemmendinger@bannerwitcoff.com,bharrison@bannerwitcoff.com,BWPTOPAT@bannerwitcoff.com									
Correspondent Name: Lisa M. Hemmendinger									
Address Line 1: 1100 13th Street, NW									
Address Line 2: Suite 1200									
Address Line 4: Washington, DISTRICT OF COLUMBIA 20005-4051									
ATTORNEY DOCKET NUMBER:	032441.00346								

NAME OF SUBMITTER:	Lisa M. Hemmendinger
Signature:	/Lisa M. Hemmendinger/
Date:	09/20/2013
Total Attachments: 2 source=Inventors to Srl executed assignment (032441.00346)#page1.tif source=Inventors to Srl executed assignment (032441.00346)#page2.tif	

ASSIGNMENT

For good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, we

(1) Guido Grandi, (2) Immaculada Margarit Y Ros, and (3) Andrea Guido Oreste Manetti

do hereby sell, assign and transfer to **Novartis Vaccines and Diagnostics S.R.L.**, with a place of business at Via Fiorentina 1, I-53100, Siena, Italy, (hereinafter referred to as the "**ASSIGNEE**") and its successors, assigns and legal representatives, all of 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) titled

CNA_B DOMAIN ANTIGENS IN VACCINES AGAINST GRAM POSITIVE BACTERIA

and filed in the United States Patent and Trademark Office on July 12, 2011 and accorded Application Number 13/144,149 * and/or filed in the RO/IB on January 12, 2010 and accorded International Patent Application Number PCT/IB2010/050110*, (2) the patent application(s) identified in (1), (3) all national stages of any international patent application identified in (1), (4) all other patent applications in all countries and regions claiming the priority of the provisional or non-provisional patent application filed in the United States Patent and Trademark Office on January 12, 2009 and accorded Application Number 61/143859 (5) for all patent applications, all rights of priority based upon the United States patent application identified in (4) in all countries and regions under the Paris Convention for the Protection of Industrial Property, the Inter-American Convention relating to Inventions, Patents, Designs, and Industrial Models and all other international agreements to which the United States now is or hereafter becomes a signatory and, if the United States patent application identified in (4) is a provisional patent application, under 35 USC 119(e) (including the right to file patent applications on said inventions and discoveries in the names of **ASSIGNEE** or their designees or in our names, at their election and in accordance with applicable law in all countries and regions), (6) all continuations and divisions of any United States patent application or international patent application designating the United States identified in (1), any national stages of any international application identified in (1) and any patent applications within the scope of (4) (including further continuations and divisions such as, but not limited to, continuations of continuations and continuations of divisions), ((2)-(4) and (6) hereinafter referred to collectively as "patent applications"), (7) all patents that are granted on any of said patent applications, (8) all registrations and confirmations of, and importation certificates based upon, one or more of said patents and applications for such registrations, confirmations and importation certificates and (9) all reissues, renewals and extensions of said patents, registrations, confirmations and importation certificates, reexamination certificates issued for said patents and supplementary protection certificates based upon said patents and applications for such reissues, renewals, extensions, reexamination certificates and supplementary protection certificates, the same to be held and enjoyed by said **ASSIGNEE** and their successors, assigns and legal representatives to the full ends of the terms for which said patents, registrations, confirmations, importation certificates, reexamination certificates, supplementary protection certificates, reissues, renewals and extensions 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 Assignment the filing date(s) and Application Number(s) of said patent application(s) when notified thereof.

And we hereby covenant and agree that we will, at any time, (i) upon the request, but at the expense, of **ASSIGNEE** or their successors, assigns or legal representatives 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, supplementary protection certificates and applications within the scope of (8) and (9) in **ASSIGNEE** or their successors, assigns or 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, (ii) upon the request, but at the expense, of **ASSIGNEE** or their successors, assigns or legal representatives execute all additional patent applications within the scope of (3), (4) and (6) and all

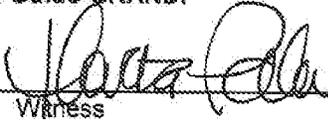
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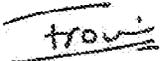
applications within the scope of (8) or (9) and (iii) make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein, without further compensation, but at the expense of ASSIGNEE or their successors, assigns or legal representatives.

This Assignment is effective as from the earliest priority date as stated above.

Executed this 12 day of August, 2011.

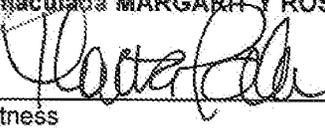

Name: Guido GRANDI

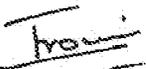

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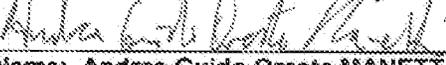
Executed this 12 day of August, 2011.


Name: Immaculada MARGARIT Y ROS

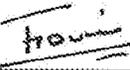

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Executed this 18 day of August, 2011.


Name: Andrea Guido Oreste MANETTI


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