


Attorney Docket No. PAT051700-US-PCT

PP028120.0004

FORM PTO-1595 (Rev. 6-93)		Recordation Form Cover Sheet (Patents Only)		U.S. Department of Commerce Patent and Trademark Office	
To the Honorable Asst. Commissioner for Patents. Please record the attached original documents or copy thereof					
1. Name of conveying party(ies): Guido GRANDI Giulio RATTI Additional name(s) of conveying parties attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No.			2. Name and address of receiving party(ies) NOVARTIS VACCINES & DIAGNOSTICS SRL Via Fiorentina 1, I-53100 Siena, ITALY Additional names and addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Dates: August 2, 2007 and August 7, 2007 respectively					
4. Application Number(s) or Patent Numbers. If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No(s): 12/086,571 B. Patent No(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Customer Number 27476 NOVARTIS VACCINES & DIAGNOSTICS, INC. Intellectual Property - X-100B P.O. Box 8097 Emeryville, CA 94662-8097			6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41): \$40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Charge Fees to Deposit Account <input checked="" type="checkbox"/> Charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to deposit account. 8. Deposit account number: 18-1648		
DO NOT USE THIS SPACE					
9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true of copy of the original document.</i> <u>Dahna S. Pasternak</u> <u></u> <u>May 25, 2010</u> Name of Person Signing Signature Date Atty Reg. No. <u>41,411</u> Total number of pages including cover sheet, attachments and document <u>3</u>					
10. Change Correspondence Address to that of Part 5? <input type="checkbox"/> Yes <input type="checkbox"/> No					
OMB No. 0651-0011 (exp. 4/94)					
Mail documents to be recorded with required cover to:			Do not detach this portion Commissioner for Patents Box: Assignments Alexandria, VA 22313		

CIH \$40.00 181648 12086571

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PATENT
REEL: 024440 FRAME: 0230

Attorney Docket No. PP028120.0003

ASSIGNMENT

WHEREAS, we, Guido Grandi and Giulio Ratti (deceased) (ASSIGNORS), are the inventors of certain inventions and improvements described and set forth in the below identified U.S. and foreign applications and having the title

CHLAMYDIA ANTIGENS

Application Nos:	Filing Date:
US 60/753,305	22 December 2005
US 60/795,857	28 April 2006
PCT/IB2006/004121	19 December 2006

and WHEREAS

NOVARTIS VACCINES AND DIAGNOSTICS SRL
Via Fiorentina 1, I-53100
Siena, ITALY

ASSIGNEE, desires to acquire the entire right, title and interest in and to the above said applications, inventions and improvements and any patents that may be granted on or as a result thereof in the United States of America (U.S.) and in any and all foreign countries;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged,

We hereby assign, to the above named ASSIGNEE, its successors, assigns and legal representatives (NOMINEES) the entire right, title and interest in and to said applications, inventions and improvements throughout the world and to any and all patents, petty patents and utility model patents which may be granted therefor, and all continuations, continuations-in-part, divisions, reissues, extensions, renewals, and any non-provisional based on a provisional thereof (LETTERS PATENT).

And we covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement or do anything in conflict herewith;

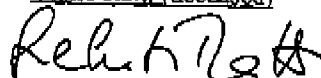
And we further covenant and agree that we will without undue delay execute without further consideration all such papers as may be necessary to perfect the title to said applications, inventions and improvements, and LETTERS PATENT in the ASSIGNEE or its NOMINEES, and we agree to communicate to said ASSIGNEE or its NOMINEES all known facts respecting said applications, inventions, improvements, and LETTERS PATENT, to testify in any legal proceedings, to sign all lawful papers, and generally to do all things necessary to aid ASSIGNEE or its NOMINEES to obtain and enforce for their own benefit patent protection for said applications, inventions and improvements in any and all countries, all at the expense, however, of the ASSIGNEE or its NOMINEES;

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And we authorize the ASSIGNEE or its NOMINEES to file in our names or their own, as appropriate, application for LETTERS PATENT in any and all countries of the world, and we authorize and request the Commissioner of Patents and Trademarks of the United States, and any proper official of any country, to issue to said ASSIGNEE or its NOMINEES any and all LETTERS PATENT for said applications, inventions and improvements, for their sole use, to the full end of the term for which such LETTERS PATENT may be granted;

Date: August 2nd 2007Inventor: 

Guido Grandi

Date: August 7th 2007Inventor: Giulio Ratti (deceased)

Signature of Legal Representative of Giulio Ratti

Printed Name: Lehtova Livig

Note: No legalization or other witness required.