

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Robin Alec FAIRHURST	09/10/2009
Vito GUAGNANO	09/15/2009
Patricia IMBACH	09/15/2009
Giorgio CARAVATTI	09/15/2009
Pascal FURET	09/16/2009
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Novartis AG
<b>Street Address:</b>	Lichtstrasse 35
<b>City:</b>	Basel
<b>State/Country:</b>	SWITZERLAND
<b>Postal Code:</b>	4056
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12556964
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(617)871-3392
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Email:</b>	nibr.maildata@novartis.com
<b>Correspondent Name:</b>	Katherine Kantorski
<b>Address Line 1:</b>	Novartis Institutes for BioMedical Resea
<b>Address Line 2:</b>	220 Massachusetts Avenue
<b>Address Line 4:</b>	Cambridge, MASSACHUSETTS 02139
<b>ATTORNEY DOCKET NUMBER:</b>	PAT052777-US-NP
<b>NAME OF SUBMITTER:</b>	Katherine Kantorski
Total Attachments: 5	

CH \$40.00 12556964

**501589284**

**PATENT**  
**REEL: 026563 FRAME: 0668**

source=Assignment\_52777-US-NP#page1.tif  
source=Assignment\_52777-US-NP#page2.tif  
source=Assignment\_52777-US-NP#page3.tif  
source=Assignment\_52777-US-NP#page4.tif  
source=Assignment\_52777-US-NP#page5.tif

## ASSIGNMENT

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

Robin Alec FAIRHURST	citizen of United Kingdom	Novartis Pharma AG Werk Klybeck Postfach 4002 Basel Switzerland
Vito GUAGNANO	citizen of Italy	Novartis Pharma AG Werk Klybeck Postfach 4002 Basel CH
Patricia IMBACH	citizen of Switzerland	Novartis Pharma AG Werk Klybeck Postfach 4002 Basel Switzerland
Giorgio CARAVATTI	citizen of Switzerland	Novartis Pharma AG Werk Klybeck Postfach 4002 Basel Switzerland
Pascal FURET	citizen of France	Novartis Pharma AG Werk Klybeck Postfach 4002 Basel CH

do hereby sell, assign and transfer to **Novartis AG**, a company organized under the laws of the Swiss Confederation, of Lichtstrasse 35, 4056 Basel, Switzerland, and its successors, assigns and legal representatives, all our right, title and interest for all countries of the world (Novartis AG hereinafter referred to as the "ASSIGNEE") in and to (1) all of our inventions and discoveries described in the patent application(s) entitled

## ORGANIC COMPOUNDS

filed\* in the RO/ \_\_\_\_\_ on \_\_\_\_\_, 20\_\_\_\_, and accorded International Patent Application Number PCT \_\_\_\_\_, (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 European Procedure, patent application filed on September 10, 2008 and accorded Application Number 08164104.5, and claiming the priority of the provisional or non-provisional patent application filed in the United States Patent and Trademark Office on September 12, 2008 and accorded Application Number

61/096674, (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 certificates of importation based on 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.

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

Executed this 10<sup>th</sup> day of SEPTEMBER 2009.

Robin Alec Fairhurst L.S.  
Name: Robin Alec Fairhurst

Executed this 15<sup>th</sup> day of SEPTEMBER 2009.

Vito Guagnano L.S.  
Name: Vito Guagnano

Case No. PAT052777

3

Executed this 15 day of September, 2009.

X Patricia Imbach L.S.  
Name: Patricia Imbach

Executed this 15 day of September, 2009.

X Giorgio Caravatti L.S.  
Name: Giorgio Caravatti

Executed this 16 day of September, 2009.

X Pascal Furet L.S.  
Name: Pascal Furet

ACCEPTANCE OF ASSIGNMENT

With reference to the Assignment to NOVARTIS AG of an invention entitled "ORGANIC COMPOUNDS" signed by Robin Alec Fairhurst, Vito Guagnano, Patricia Imbach, Giorgio Caravatti, Pascal Furet ; this will certify that NOVARTIS AG accepts such Assignment.

NOVARTIS AG

By : 



Name : Reto Halbisen

Elena S. Brugnara

Function : Authorized signatories

Date: 18.09.09

### Attestation

I, the undersigned Civil Law Notary of Basel, Switzerland, Dr. Matthias Staehelin, certify herewith that the signatures attached heretofore are the genuine signatures of **Mr. Robin Alec Fairhurst**, citizen of Great Britain, residing in Ashington, West Sussex, Great Britain; of **Dr. Vito Guagnano**, citizen of Italy, residing in Basel, Switzerland; of **Ms. Patricia Imbach**, citizen of Basel, Switzerland, and Sursee, Switzerland; residing in Kaiseraugst, Switzerland; of **Mr. Giorgio Caravatti**, citizen of Biasca, Switzerland, residing in Bottmingen, Switzerland; and of **Mr. Pascal Furet**, citizen of France, residing in Thann, France.

I further certify that the signatures attached heretofore are the genuine signatures of **Mr. Reto Halbeisen**, citizen of Wahlen/BL, Switzerland, residing in Laufen, Switzerland; and of **Ms. Elena Sona Brugnera**, Indian citizen, residing in Regensdorf/ZH, Switzerland; both acting for **Novartis AG**, in Basel, Switzerland, both as proxy holders, both with joint signature.

The authenticity of the signatures was established by comparison.

BASEL, Switzerland, this 21<sup>st</sup> (twenty-first) day of September 2009 (two thousand and nine)

*M. Staehelin, Notar*

Dr. M. Staehelin  
Notar

Leg.Prot.Nr.: 2685/2009