

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Peter Herold</td> <td>04/30/2010</td> </tr> <tr> <td>Stjepan Jelakovic</td> <td>04/23/2010</td> </tr> <tr> <td>Robert Mah</td> <td>04/12/2010</td> </tr> <tr> <td>Vincenzo Tschinke</td> <td>04/30/2010</td> </tr> </tbody> </table>		Name	Execution Date	Peter Herold	04/30/2010	Stjepan Jelakovic	04/23/2010	Robert Mah	04/12/2010	Vincenzo Tschinke	04/30/2010
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<b>RECEIVING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Novartis AG</td> </tr> <tr> <td>Street Address:</td> <td>Lichtstrasse 35</td> </tr> <tr> <td>City:</td> <td>Basel</td> </tr> <tr> <td>State/Country:</td> <td>SWITZERLAND</td> </tr> <tr> <td>Postal Code:</td> <td>4056</td> </tr> </table>		Name:	Novartis AG	Street Address:	Lichtstrasse 35	City:	Basel	State/Country:	SWITZERLAND	Postal Code:	4056
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<b>PROPERTY NUMBERS Total: 1</b>											
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<b>CORRESPONDENCE DATA</b>											
<p>Fax Number: (617)871-3392</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Email: marcus.hall@novartis.com</p> <p>Correspondent Name: Marcus Hall</p> <p>Address Line 1: 220 Massachusetts Avenue</p> <p>Address Line 4: Cambridge, MASSACHUSETTS 02139</p>											
ATTORNEY DOCKET NUMBER:	PAT053060-US-PCT										
NAME OF SUBMITTER:	Marcus Hall										
<p>Total Attachments: 8</p> <p>source=PAT053060-US-PCT-Assignment#page1.tif</p> <p>source=PAT053060-US-PCT-Assignment#page2.tif</p>											

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**PATENT**  
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**ASSIGNMENT**

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

Peter HEROLD	citizen of Switzerland	Zeigweg 32 4142 Münchenstein CH
Stjepan JELAKOVIC	citizen of Croatia	Merzhauserstrasse 3 79100 Freiburg DE
Robert MAH	citizen of Canada	Novartis Pharma AG Werk Klybeck Postfach 4002 Basel CH
Vincenzo TSCHINKE	citizen of Italy	Kernmattstrasse 24 4102 Binningen 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/EP on **04 December 2008**, and accorded International Patent Application Number **PCT/EP2008/066747**, (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 **05 December 2007** and accorded Application Number **07122363.0**, (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 30 day of April, 2010.

P. Herold L.S.  
Name: Peter HEROLD

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
Name: Stjepan JELAKOVIC

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
Name: Robert MAH

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
Name: Vincenzo TSCHINKE

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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 \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
Name: Peter HEROLD L.S.

Executed this 23 day of April, 2010.

  
\_\_\_\_\_  
Name: Stjepan JELAKOVIC L.S.

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
Name: Robert MAH L.S.

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
Name: Vincenzo TSCHINKE L.S.

\*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 \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
Name: Peter HEROLD L.S.

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
Name: Stjepan JELAKOVIC L.S.

Executed this 12 day of April, 2010.

Robert Mah  
Name: Robert MAH L.S.

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
Name: Vincenzo TSCHINKE L.S.

\*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 \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
Name: Peter HEROLD L.S.

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
Name: Stjepan JELAKOVIC L.S.

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
Name: Robert MAH L.S.

Executed this 30 day of APRIL, 2010

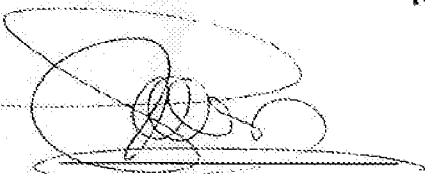
  
Name: Vincenzo TSCHINKE L.S.

ACCEPTANCE OF ASSIGNMENT

With reference to the Assignment to NOVARTIS AG of an invention entitled "ORGANIC COMPOUNDS" signed by Peter HEROLD, Stjepan JELAKOVIC, Robert MAH and Vincenzo TSCHINKE; this will certify that NOVARTIS AG accepts such Assignment.

NOVARTIS AG

By :



Name :

ARNE ZELLER OLA RUTSCHMANN

Function :

AUTHORIZED SIGNATORIES

Date:

06 May 2010



## ATTESTATION

I, the undersigned Civil Law Notary in Basel, Switzerland, Dr. Matthias Staehelin, certify herewith that the signatures attached heretofore are the genuine signatures of **Mr. Peter Herold**, citizen of Basel, residing in Münchenstein, Switzerland, of **Mr. Stjepan Jelakovic**, citizen of Croatia, residing in Freiburg, Germany, of **Mr. Robert Mah**, citizen of Canada, residing in Allschwil, Switzerland, and of **Mr. Vincenzo Tschinke**, citizen of Binningen, Switzerland, residing in Binningen, Switzerland.

Further I certify herewith that the signatures attached heretofore are the genuine signatures of **Ms. Sabine Zeller**, citizen of Ormalingen, Switzerland, residing in Gelterkinden, Switzerland, and of **Ms. Ella Rutschmann**, citizen of Lotzwil, Switzerland, residing in Basel, 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 means of comparison.

Basel, Switzerland, this 11<sup>th</sup> (eleventh) day of August 2010 (two thousand and ten)



Leg.Prot.Nr. 1687 /2010

M. Staehelin, Notar  
Dr. M. Staehelin  
Notar

**FOR CERTIFIED COPY**

I, the undersigned Civil Law Notary in Basel, Switzerland, Dr. Matthias Staehelin, hereby certify that the document attached heretofore is a true and authentic photocopy of the original document.

Basel, Switzerland, this 11<sup>th</sup> (eleventh) day of August 2010 (two thousand and ten)

*M. Staehelin* Notar

Dr. M. Staehelin  
Notar

Leg. Prot. Nr. 1632/2010