# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT2867208

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| **SUBMISSION TYPE:** | NEW ASSIGNMENT |
| **NATURE OF CONVEYANCE:** | ASSIGNMENT |

**CONVEYING PARTY DATA**

| Name | Execution Date |
|---|---|
| NOVARTIS PHARMA AG | 07/04/2012 |

**RECEIVING PARTY DATA**

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|---|---|
| **Name:** | NOVARTIS AG |
| **Street Address:** | LICHTSTRASSE 35 |
| **City:** | BASEL |
| **State/Country:** | SWITZERLAND |
| **Postal Code:** | 4056 |

**PROPERTY NUMBERS Total: 1**

| Property Type | Number |
|---|---|
| **Application Number:** | 14131558 |

**CORRESPONDENCE DATA**

**Fax Number:**

***Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.***

**Email:** leslie.gould@novartis.com
**Correspondent Name:** NOVARTIS INST. FOR BIOMED. RESEARCH INC.
**Address Line 1:** 250 MASSACHUSETTS AVENUE
**Address Line 4:** CAMBRIDGE, MASSACHUSETTS 02139

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|---|---|
| **ATTORNEY DOCKET NUMBER:** | PAT054723-US-PCT |
| **NAME OF SUBMITTER:** | LESLIE GOULD |
| **SIGNATURE:** | /Leslie Gould/ |
| **DATE SIGNED:** | 05/22/2014 |

**Total Attachments: 4**
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Patent Family Number PAT054723

# ASSIGNMENT

This Assignment Agreement is entered into by and between **NOVARTIS PHARMA AG**, Lichtstrasse 35, 4056 Basel, Switzerland, a company organized under the laws of Switzerland, and **NOVARTIS AG**, a company incorporated in Switzerland whose address is Lichtstrasse 35, 4056 Basel, Switzerland.

For good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, NOVARTIS PHARMA AG does hereby sell, assign and transfer to NOVARTIS AG and its successors, assigns and legal representatives (hereinafter referred to collectively as the "ASSIGNEE"), all of its right, title and interest for all countries of the world in and to

(1) all inventions and discoveries described in the provisional or non-provisional patent application(s) entitled

Novel Trifluoromethyl-Oxadiazole Derivatives and their use in the Treatment of Disease
[Patent Application PAT054723-US-PSP]

and filed in the _____ Office on _____ , 20___ and accorded Application Number _____ and/or filed as a PCT International Application on _____ , 20___ and accorded International Patent Application Number PCT/_____; and/or filed in the United States Patent and Trademark Office on July 08, 2011 and accorded Application Number 61/505,592;

(2) the application(s) identified in paragraph (1), and all applications claiming priority from such application(s), directly or indirectly, including all national stages of any international patent application(s);

(3) the right to file patent, utility model, or other applications on any invention or discovery disclosed in any of the applications identified in paragraphs (1) and (2), including the right to file such applications on said inventions and discoveries in the names of ASSIGNEE or their designees, or on behalf or in the name(s) of the inventor(s) of said inventions and discoveries, at ASSIGNEE's election and in accordance with applicable law in all countries and regions; and the right to file all patent, utility model, or other applications in all countries and regions claiming the priority of any of the provisional or non-provisional application(s) identified in paragraphs (1) or (2);

(4) all rights to claim priority from any of the applications referred to in paragraphs (1), (2), and (3) or from any application from which any of the applications referred to in paragraphs (1), (2) and (3) claim priority in all countries and regions under the Paris Convention for the Protection of Industrial Property, the WTO GATT TRIPS Agreement, 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 is a provisional patent application, under 35 USC 119(e);

(5) all continuations, continuations-in-part, and divisionals of any United States patent application(s) or international patent application(s) designating the United States, any national stages of any international application(s), and any other patent application(s) described in paragraphs (1) through (4) hereof, including further continuations, continuations-in-part, and divisionals such as, but not limited to, continuations of continuations and continuations of divisionals;

(6) all patents, utility models, or other grants that issue from any of the applications referred to herein and all rights and remedies associated therewith including the right to sue for and recover past damages and to recover under 35 U.S.C. § 154 (d) or any other law permitting remedies for infringement prior to issuance of the patent;

(7) all registrations and confirmations of, and importation certificates based upon, one or more of said patents, utility models, or other grants, and applications for such registrations, confirmations and importation certificates and;

(8) all reissues, renewals and extensions of said patents, utility models, 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 to the full ends of the terms for which said patents, utility models, 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 NOVARTIS PHARMA AG if this sale, assignment and transfer had not been made.

NOVARTIS PHARMA AG hereby authorizes ASSIGNEE and their representatives to insert in paragraph (1) of this Assignment the filing date(s) and Application Number(s) of said patent, utility model, or other application(s) when notified thereof.

NOVARTIS PHARMA AG hereby covenants and agrees that it will, at any time, (i) upon the request, but 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, applications, patents, utility models, registrations, confirmations, importation certificates, reissues, renewals, extensions, reexamination certificates, supplementary protection certificates, and applications within the scope of (7) and (8), in ASSIGNEE, 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 execute all additional applications within the scope of paragraphs (1) through (6) and all applications within the scope of (7) or (8), 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 .

Should any provision of this Assignment be deemed invalid or unenforceable by reason of any law, statute, regulation or judgment, existing now or in the future in any jurisdiction, such

provision shall be modified in such jurisdiction so as to nearly approximate the intent of the Parties. If this cannot be done, such invalid or unenforceable provision shall be divisible and be deleted in any such jurisdiction, and all other provisions shall remain in full force and effect. The modification or deletion of any provision in one jurisdiction shall have no effect on this Assignment in any other jurisdiction.

This Assignment shall be governed by the laws of Switzerland.

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

Executed this 04 day of July, 2012

NOVARTIS PHARMA AG

BY _____ L.S.
Name: Ella Rutschmann
Title: Authorized signatory

NOVARTIS PHARMA AG

BY _____ L.S.
Name: Reto Halbeisen
Title: Authorized signatory

Executed this 04 day of July, 2012

NOVARTIS AG

BY _____ L.S.
Name: Sabine Zeller
Title: Authorized signatory

NOVARTIS AG

BY _____ L.S.
Name: Elena S. Brugnera
Title: Authorized signatory

**ATTESTATION**

I, the undersigned Civil Law Notary in Basel, Switzerland, Dr. Conradin Cramer, certify herewith that the signatures attached heretofore are the genuine signatures of **Ms. Ella Rutschmann**, citizen of Lotzwil, Switzerland, residing in Basel, Switzerland; and of **Mr. Reto Halbeisen,** citizen of Wahlen/BL, Switzerland, residing in Laufen, Switzerland; both acting for **Novartis Pharma AG,** in Basel, Switzerland, both as proxy holders and both with joint signature.

I further 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. Elena Sona Brugnera,** citizen of Selzach SO, Switzerland, residing in Regensdorf, Switzerland; both acting for **Novartis AG**, in Basel, Switzerland, both as proxy holders and both with joint signature.

The authenticity of the signatures was established by means of comparison.

BASEL, Switzerland, this 5th (fifth) day of July 2012 (two thousand and twelve)

Cramer, Not.

Leg.Prot.Nr. 684 /2012