

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Christoph Max Krell	05/26/2014
Marian Misun	05/26/2014
Daniel Andreas Niederer	05/26/2014
Werner Heinz Pachinger	05/26/2014
Marie-Christine Wolf	05/26/2014
Daniel Zimmermann	05/22/2014
RECEIVING PARTY DATA	
Name:	NOVARTIS PHARMA AG
Street Address:	POSTFACH
City:	BASEL
State/Country:	SWITZERLAND
Postal Code:	4002
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14974655
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NAME OF SUBMITTER:	JILL A. WRIGHT
SIGNATURE:	/Jill A. Wright/
DATE SIGNED:	01/12/2016

Total Attachments: 14

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ASSIGNMENT

This Assignment Agreement is entered into by and between

Christoph Max KRELL	Citizen of Switzerland	Novartis Pharma AG Postfach 4002 Basel SWITZERLAND
Marian MISUN	Citizen of Switzerland	Novartis Pharma AG Postfach 4002 Basel SWITZERLAND
Daniel Andreas NIEDERER	Citizen of Switzerland	Novartis Pharma AG Postfach 4002 Basel SWITZERLAND
Werner Heinz PACHINGER	Citizen of Austria	Novartis Pharma AG Postfach 4002 Basel SWITZERLAND
Marie-Christine WOLF	Citizen of France	Novartis Pharma AG Postfach 4002 Basel SWITZERLAND
Daniel ZIMMERMANN	Citizen of Germany	Novartis Pharma AG Postfach 4002 Basel SWITZERLAND

hereinafter "Inventor(s) and, NOVARTIS PHARMA AG, Postfach, 4002 Basel, Switzerland, a company organized under the laws of Switzerland.

For good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, I/We the Inventor(s) do hereby confirm and agree that, by operation of law and/or contract, and/or by the fulfillment of any and all legal requirements regarding the transfer of employee inventions in my/our country of employment, Novartis Pharma AG is the true and

lawful owner of all right, title and interest in all inventions, discoveries, patents/utility models, applications, and rights described in paragraphs (1) through (8) below.

If, however, under the laws of any country, I/We the Inventor(s) nevertheless have any ownership right, title or interest in any of the items described herein (which I/We do not believe to be the case and make no claim in or to), for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I/We the Inventor(s) do hereby sell, assign and transfer to Novartis Pharma AG and its successors, assigns and legal representatives (hereinafter referred to collectively as the "ASSIGNEE"), all of our right, title and interest for all countries of the world in and to

(1) all of our inventions and discoveries described in the provisional or non-provisional patent, utility model, or other application(s) entitled

PREPARATION OF AND FORMULATION COMPRISING A MEK INHIBITOR

and filed in the _____ Office on _____, 20____ and accorded Application Number _____ and/or filed as a PCT International Application on _____, and accorded International Patent Application Number; and/or filed in the United States Patent and Trademark Office on **October 19, 2012** and accorded Application Number **61/716,169** and/or filed in the United States Patent and Trademark Office on **October 18, 2013** and accorded Application Number **14/057,498**;

(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 in our/my name, 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 me/us if this sale, assignment and transfer had not been made.

I/We the Inventor(s) hereby authorize 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.

I/We the Inventor(s) hereby covenant and agree that I/We 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 26th day of May 2014.

Christoph Max Krell
Christoph Max KRELL L.S.

Witness:
Print Name: MARIA DE LOS DESAMPARADOS, LADORRE SILVESTRE.

Witness:
Print Name: JENNIFER APONTE

Executed this 26th day of May 2014.

Daniel Andreas Niederer
Daniel Andreas NIEDERER L.S.

Witness:
Print Name: MARIA DE LOS DESAMPARADOS, LADORRE SILVESTRE.

Witness:
Print Name: JENNIFER APONTE

Executed this 26th day of May 2014.

Marian Misen
Marian MISEN L.S.

Witness:
Print Name: MARIA DE LOS DESAMPARADOS, LADORRE SILVESTRE.

Witness:
Print Name: JENNIFER APONTE

Executed this 20th day of May 2014.

W. Pachinger L.S.
Werner Heinz PACHINGER

Amara S.
Witness:
Print Name: MARIA DE LOS DESAMPARADOS, LATOKE SILVESTRE.

[Signature]
Witness:
Print Name: JENNIFER APONTE

Executed this 20th day of May 2014.

M. Wolf L.S.
Marie-Christine WOLF

Amara S.
Witness:
Print Name: MARIA DE LOS DESAMPARADOS, LATOKE SILVESTRE.

[Signature]
Witness:
Print Name: JENNIFER APONTE

Executed this _____ day of _____ 2014.

L.S.
Daniel ZIMMERMANN

Witness:
Print Name:

Witness:
Print Name:

Executed this 26th day of May 2014.

NOVARTIS PHARMA AG

BY: S. Boesch L.S.
Print Name: **Sonja Boesch**
Authorized Signatory

BY: E. Blab-Rotzinger L.S.
Print Name: **Elke Blab-Rotzinger**
Authorized signatory

Witness: Maria de los Desamparados Latorre Silvestre
Print Name: **MARIA DE LOS DESAMPARADOS LATORRE SILVESTRE**

Witness: [Signature]
Print Name: **SENNIFER APONE**

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Daniel Andreas NIEDERER	Citizen of Switzerland	Novartis Pharma AG Postfach 4002 Basel SWITZERLAND
Werner Heinz PACHINGER	Citizen of Austria	Novartis Pharma AG Postfach 4002 Basel SWITZERLAND
Marie-Christine WOLF	Citizen of France	Novartis Pharma AG Postfach 4002 Basel SWITZERLAND
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lawful owner of all right, title and interest in all inventions, discoveries, patents/utility models, applications, and rights described in paragraphs (1) through (8) below.

If, however, under the laws of any country, I/We the Inventor(s) nevertheless have any ownership right, title or interest in any of the items described herein (which I/We do not believe to be the case and make no claim in or to), for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I/We the Inventor(s) do hereby sell, assign and transfer to Novartis Pharma AG and its successors, assigns and legal representatives (hereinafter referred to collectively as the "ASSIGNEE"), all of our right, title and interest for all countries of the world in and to

(1) all of our inventions and discoveries described in the provisional or non-provisional patent, utility model, or other application(s) entitled

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(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);

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(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 me/us if this sale, assignment and transfer had not been made.

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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 _____ day of _____ 2014.

L.S.
Christoph Max KRELL

Witness:
Print Name:

Witness:
Print Name:

Executed this _____ day of _____ 2014.

L.S.
Daniel Andreas NIEDERER

Witness:
Print Name:

Witness:
Print Name:

Executed this _____ day of _____ 2014.

L.S.
Marian MISUN

Witness:
Print Name:

Witness:
Print Name:

Executed this _____ day of _____ 2014.

L.S.

Werner Heinz PACHINGER

Witness:

Print Name:

Witness:

Print Name:

Executed this _____ day of _____ 2014.

L.S.

Marie-Christine WOLF

Witness:

Print Name:

Witness:

Print Name:

Executed this 22 day of May 2014.

L.S.

Daniel Zimmermann
Daniel ZIMMERMANN

Witness:

Print Name: *Heidi R. R. R.*

Witness:

Print Name: *Tanja Krister*

Executed this 22 day of May 2014.

NOVARTIS PHARMA AG

BY: S. Boesch **Sonja Boesch**
Print Name: Authorized Signatory S.

BY: Elke Blab-Rotzinger L.S.
Print Name: Elke Blab-Rotzinger
Authorized signatory

Witness: [Signature]
Print Name: MARIA DE LOS DESAMPARADOS, LAPORE BLUESTRE

Witness: [Signature]
Print Name: JENNIFER APONTE