

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT8310797

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
NOVARTIS AG	12/04/2023
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	NOVARTIS PHARMACEUTICALS CORPORATION
<b>Street Address:</b>	59 ROUTE 10
<b>City:</b>	EAST HANOVER
<b>State/Country:</b>	NEW JERSEY
<b>Postal Code:</b>	07936
<b>PROPERTY NUMBERS Total: 16</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14578804
Application Number:	61252213
Application Number:	15479663
Application Number:	16056702
Application Number:	17095200
Application Number:	18062764
Application Number:	14422182
Application Number:	61696375
Application Number:	61424967
Patent Number:	8952018
Patent Number:	8703781
Patent Number:	10869869
Patent Number:	9271941
Patent Number:	9399021
Patent Number:	9155706
Patent Number:	8580304
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(617)871-5957
<i>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.</i>	

<b>Phone:</b>	617-871-3544
<b>Email:</b>	diana.mabry@novartis.com
<b>Correspondent Name:</b>	DIANA MABRY
<b>Address Line 1:</b>	250 MASSACHUSETTS AVE.
<b>Address Line 4:</b>	CAMBRIDGE, MASSACHUSETTS 02139

<b>ATTORNEY DOCKET NUMBER:</b>	PAT056648, 56650, 56654
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<b>NAME OF SUBMITTER:</b>	DIANA MABRY
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<b>SIGNATURE:</b>	/Diana Mabry/
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<b>DATE SIGNED:</b>	12/05/2023
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**Total Attachments: 4**

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## ASSIGNMENT

This PATENT ASSIGNMENT ("Assignment") is entered into by and between **NOVARTIS AG**, a company incorporated in Switzerland whose address is Lichtstrasse 35, 4056 Basel, Switzerland ("Assignor"), and **NOVARTIS PHARMACEUTICALS CORPORATION**, 59 Route 10, East Hanover, New Jersey 07936, United States of America, a company organized under the laws of Delaware ("Assignee"). Assignor and Assignee are collectively referred to herein as the "Parties".

The Parties agree as follows:

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

(i) the patents and applications listed in the APPENDIX A hereto;

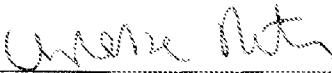
(ii) all continuations, continuations-in-part, divisionals and reissues of any United States patent application(s) or international patent application(s) designating the United States of the patents and applications in (i), including for example further continuations, continuations-in-part, and divisionals such as, but not limited to, continuations of continuations and continuations of divisionals; and,


(iii) all patent term extensions and adjustments relying on or connected to any of (i) or (ii) (the foregoing (i), (ii), and (iii) comprising the "Assigned Patents").


The Parties hereby request and authorize the authority at the relevant national patent office to record Assignee as the recorded holder of title, legal owner, registered owner, assignee and/or applicant, as the case may be, of the Assigned Patents.

Executed this 04<sup>th</sup> day of December, 2023.


**NOVARTIS AG**

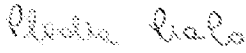
BY   
Printed Name:  
Authorized Signatory **Dr. Charlotte Retzler**  
Authorized Signatory

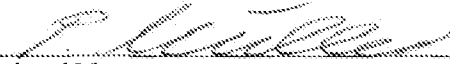
Witness:   
Printed Name: **Claudia Cialao**  
City, State and Country: **Lichtstrasse 35**  
**4056 Basel**  
**Switzerland**

Witness:   
Printed Name:  
City, State and Country: **Philippe Mueller**  
**Authorized Signatory**  
**Lichtstrasse 35**  
**4056 Basel**  
**Switzerland**

**NOVARTIS AG**

BY   
Printed Name: **Ian James Hiscock**  
Authorized Signatory

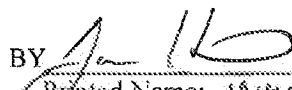
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City, State and Country: **Claudia Cialao**  
**Lichtstrasse 35**  
**4056 Basel**  
**Switzerland**


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**Authorized Signatory**

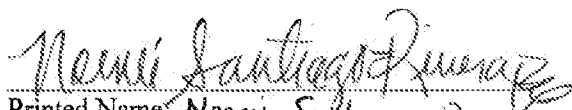
**Lichtstrasse 35**  
**4056 Basel**  
**Switzerland**

Executed this 4<sup>th</sup> day of December, 2023.

NOVARTIS PHARMACEUTICALS CORPORATION

BY   
Printed Name: JAIME HVERTAS  
Authorized Signatory

Witness:   
Printed Name: Desma Polanco  
City, State and Country: NY, NY, USA

Witness:   
Printed Name: Noemi Santiago Rivero  
City, State and Country: New York, New York, USA

## APPENDIX A

Case Reference	Country	Filing Date	Filing Number	Grant Number
PAT056648-US-CNT	US	05 Mar 2014	14/197421	8952018
PAT056648-US-CNT02	US	22 Dec 2014	14/578804	
PAT056648-US-PCT	US	15 Oct 2010	13/499779	8703781
PAT056648-US-PSP	US	16 Oct 2009	61/252213	

Case Reference	Country	Filing Date	Filing Number	Grant Number
PAT056650-US-CNT	US	05 Apr 2017	15/479663	
PAT056650-US-CNT02	US	07 Aug 2018	16/056702	
PAT056650-US-CNT03	US	28 Oct 2019	16/664978	10869869
PAT056650-US-CNT04	US	11 Nov 2020	17/095200	
PAT056650-US-CNT05	US	07 Dec 2022	18/062764	
PAT056650-US-PCT	US	30 Aug 2013	14/422182	
PAT056650-US-PSP	US	04 Sep 2012	61/696375	

Case Reference	Country	Filing Date	Filing Number	Grant Number
PAT056654-US-CNT	US	02 Oct 2013	14/044139	9271941
PAT056654-US-CNT02	US	11 Dec 2013	14/103092	9399021
PAT056654-US-CNT03	US	11 Dec 2013	14/103193	9155706
PAT056654-US-NP	US	20 Dec 2011	13/330949	8580304
PAT056654-US-PSP	US	20 Dec 2010	61/424967	