

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5877442

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	CONFIRMATORY DEED OF ASSIGNMENT EFFECTIVE APRIL 7, 2019	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	ALCON RESEARCH, LLC	11/11/2019
<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>
	Patent Number:	6399107
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(216)579-6073	
<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>	216-579-1700	
<b>Email:</b>	csy@pearne.com	
<b>Correspondent Name:</b>	PEARNE & GORDON LLP	
<b>Address Line 1:</b>	1801 EAST 9TH STREET	
<b>Address Line 2:</b>	SUITE 1200	
<b>Address Line 4:</b>	CLEVELAND, OHIO 44114-3108	
<b>ATTORNEY DOCKET NUMBER:</b>	BRAQ-J1427	
<b>NAME OF SUBMITTER:</b>	JOHN P. MURTAUGH	
<b>SIGNATURE:</b>	/John P. Murtaugh/	
<b>DATE SIGNED:</b>	12/19/2019	
<b>Total Attachments: 21</b>		
source=3 ALAB MRG ASN NOV (Step 4)#page1.tif		
source=3 ALAB MRG ASN NOV (Step 4)#page2.tif		
source=32-PoA_Alcon entities_SI#page1.tif		
source=32-PoA_Alcon entities_SI#page2.tif		
source=32-PoA_Alcon entities_SI#page3.tif		

source=32-PoA\_Alcon entities\_Sl#page4.tif  
source=32-PoA\_Alcon entities\_Sl#page5.tif  
source=35-PoA\_Multiple Alcon entities#page1.tif  
source=35-PoA\_Multiple Alcon entities#page2.tif  
source=35-PoA\_Multiple Alcon entities#page3.tif  
source=35-PoA\_Multiple Alcon entities#page4.tif  
source=33-PoA\_Novartis entities\_Sl#page1.tif  
source=33-PoA\_Novartis entities\_Sl#page2.tif  
source=33-PoA\_Novartis entities\_Sl#page3.tif  
source=33-PoA\_Novartis entities\_Sl#page4.tif  
source=34-PoA\_3 Novartis entities#page1.tif  
source=34-PoA\_3 Novartis entities#page2.tif  
source=34-PoA\_3 Novartis entities#page3.tif  
source=34-PoA\_3 Novartis entities#page4.tif  
source=34-PoA\_3 Novartis entities#page5.tif  
source=34-PoA\_3 Novartis entities#page6.tif

[step 4]

**Confirmatory Deed of Assignment  
United States of America**

THIS DEED is made between:

**Alcon Research, LLC**, a company duly organized and existing under the Laws of State Delaware, of 6201 South Freeway, Fort Worth, TX 76134, United States of America  
("the Assignor");

and

**Novartis AG**, a company duly organized and existing under the Laws of Switzerland, of 4002 Basel, Switzerland  
("the Assignee");

WHEREAS:

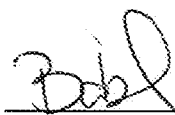
- (a) The Assignor was the proprietor of the patents in the United States of America as set out in the attached schedules marked "Annex A" and
- (b) Pursuant to the Intellectual Property Assignment Agreement, Assignor has assigned Assignor's entire right, title and interest in and to the patents to Assignee.
- (c) The Assignment of the afore-mentioned patents became effective on the 7<sup>th</sup> day of April 2019.

IT IS AGREED THAT:

For good and valuable consideration, receipt of which is hereby acknowledged by the Assignor, the Assignor hereby confirms that it has assigned, transferred and set over unto the Assignee, its successors and assigns, effective on April 7<sup>th</sup> 2019, all right, title and interests in the **United States of America** in the patents, and the Assignee accepts the said assignment.

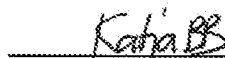
IN WITNESS WHEREOF, the Assignor and Assignee have caused this Confirmatory Assignment to be executed by their authorized representatives.

Signed as a Deed in Ljubljana on behalf of  
the **Assignor** this 11 day of November 2019  
by



Maja Babnik, Proxy-Holder of  
Alcon Research, LLC

Signed as a Deed in Ljubljana on behalf of  
the **Assignee** this 11 day of November 2019  
by



Katja Berk Bevc, Proxy-Holder of  
Novartis AG

## Annex A

IP Right Name	Application No.	Publication No.	Grant No.
USE OF INHIBITORS OF GAG SYNTHESIS FOR THE TREATMENT OF CORNEAL HAZE	09/868741		6399107

POWER OF ATTORNEY

THIS DEED made on July 30<sup>th</sup>, 2019 on behalf of:

- **Alcon-Couvreur N.V.** a company organized and existing under the laws of Belgium
- **Alcon Grieshaber AG**, a company organized and existing under the laws of Switzerland;
- **Alcon Healthcare**, a company organized and existing under the laws of Spain;
- **Alcon Inc. (CH)**, a company organized and existing under the laws of Switzerland;
- **Alcon Lensx, Inc.**, a company organized and existing under the laws of the State Delaware, USA;
- **Alcon Pharmaceuticals Ltd.**, a company organized and existing under the laws of Switzerland;
- **Alcon Portugal-Produtos e Equipamentos Oftalmológicos Lda.** a company organized and existing under the laws of Portugal;
- **Alcon (Puerto Rico), Inc.**, a company organized and existing under the laws of the State Delaware, USA;
- **Alcon Refractive Horizons, LLC**, a company organized and existing under the laws of the State Delaware, USA;
- **Alcon Research, LLC**, a company organized and existing under the laws of the State Delaware, USA;
- **Alcon Vision, LLC**, a company organized and existing under the laws of the State Delaware, USA;
- **CIBA Vision GmbH**, a company organized and existing under the laws of Germany;
- **Ciba Vision, LLC**, a company organized and existing under the laws of the State Delaware, USA;
- **Clarvista Medical, Inc.**, a company organized and existing under the laws of the State Delaware, USA;
- **Optonol Ltd.**, a company organized and existing under the laws of Israel;
- **PowerVision, Inc.**; a company organized and existing under the laws of the State Delaware, USA;
- **Tear Film Innovations, Inc.**, a company organized and existing under the laws of the State Delaware, USA;
- **Transcend Medical, Inc.**, a company organized and existing under the laws of the State Delaware, USA;
- **TrueVision Systems, Inc.**, a company organized and existing under the laws of the State Delaware, USA;
- **WaveLight GmbH**, a company organized and existing under the laws of Germany;

(each of the above companies shall be individually and collectively referred to hereafter as "the Company")

WITNESSETH as follows:

1. Appointment

Each company hereby appoints

- Brandstock Services GmbH, with business address at Cesta v Gorice 34b, 1000 Ljubljana, Slovenia
- and/or
- Katarina Urbanija, born on May 6<sup>th</sup>, 1975, General Manager of Brandstock Services GmbH, with business address at Cesta v Gorice 34b, 1000 Ljubljana, Slovenia
- and/or
- Ana Bobnar, born on January 7<sup>th</sup>, 1990, Trademark Assistant at Brandstock Services GmbH, with business address at Cesta v Gorice 34b, 1000 Ljubljana, Slovenia
- and/or
- Eva Margareta Krisper, born on February 7<sup>th</sup>, 1991, Trademark Assistant at Brandstock Services GmbH, with business address at Cesta v Gorice 34b, 1000 Ljubljana, Slovenia
- and/or
- Maja Babnik, born on May 29<sup>th</sup>, 1993, Trademark Assistant at Brandstock Services GmbH, with business address at Cesta v Gorice 34b, 1000 Ljubljana, Slovenia
- and/or
- Katja Berk Bevc, born on March 28<sup>th</sup>, 1991, Trademark Assistant at Brandstock Services GmbH, with business address at Cesta v Gorice 34b, 1000 Ljubljana, Slovenia
- and/or
- Matjuša Jakopin, born on November 15<sup>th</sup>, 1984, Trademark Attorney at Brandstock Services GmbH, with business address at Cesta v Gorice 34b, 1000 Ljubljana, Slovenia
- and/or
- Vesna Dumendžić, born on July 14<sup>th</sup>, 1984, Trademark Attorney at Brandstock Services GmbH, with business address at Cesta v Gorice 34b, 1000 Ljubljana, Slovenia
- and/or
- Urban Tavčar, born on June 3<sup>rd</sup>, 1980, Head of Docketing at Brandstock Services GmbH, with business address at Cesta v Gorice 34b, 1000 Ljubljana, Slovenia

to act on behalf of the company in respect of exclusively the recordal/submission of

- ☒ assignment
- ☒ merger
- ☒ change of name
- ☒ change of legal entity
- ☒ change of address
- ☒ renewals and other related maintenance tasks (such as reclassification, affidavits, annuity payments, merging of registrations, etc.)
- ☒ licenses and sub-licenses

of the trademarks, patents, designs and other intellectual property rights of the company.

For the aforesaid purpose, we hereby authorize said agents to appoint a substitute, or substitutes, to execute and amend any documents in order to maintain our trademarks, patents, designs and other intellectual property rights in force.

This Power of Attorney is valid until 31<sup>st</sup> December 2019 and supersedes as of its effective date all previous versions of Power of Attorney relating to the subject matter herein.

IN WITNESS WHEREOF this Deed has been executed for and on behalf of the Company on the day and year before written.

Munich, July 30<sup>th</sup>, 2019  
(Place and Date)



\_\_\_\_\_  
Anna Popova, Proxy-Holder

PATENT

REEL: 051379 FRAME: 0307

File No. [see above]                      dating from [see above and below]

Sachbearbeiter: sm

Delet TX000410.DOC Vagang Brand-  
stock 2015 07 30 09.00. Beres 30 Juli 2015

City of München [Munich]

I herewith certify, that

Mrs

Given Names:	Anna (Ganna)
Family Name:	Popova
Date of Birth [Day, Month, Year]:	6.4.1982
Address [street and house number]:	Rückertstr. 1
[postal code and city]:	80336 München (Munich)

personally known to me, the notary, has subscribed and sworn (affirmed) today the foregoing document in front of me.

30th day of September, two thousand nineteen

Peter DiCera

Dr. Peter Dillinger as official representative of  
Dr. Heinrich Kreuzer, Notary

Perusastr. 7 [street and house number].

D-80333 München (Munich) [postal code and city]

☎ +49 (89) 290 916-0, Fax -66; [notar@kreuzer-muenchen.de](mailto:notar@kreuzer-muenchen.de)

the law of the state in which this document shall be used it may be necessary that my -  
notary signature get legalized. Competent therefore is usually the President of the court „Landgericht  
München I“ here in Munich, Palace of Justice, Prielmayerstr.7, D-80335 München.

Original: --> versandt / ausgeh. | digit an | sent to / handed out to Brandslock

Scan:

☒ Urkundensammlung | file-collection of the notary

REEL: 051379 FRAME: 0308



# APOSTILLE

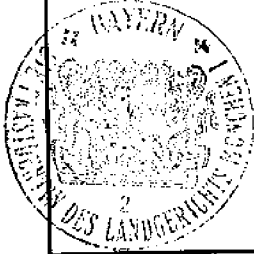
(Convention de La Haye du 5 octobre 1961)

1. Land: Bundesrepublik Deutschland  
Diese öffentliche Urkunde
2. ist unterschrieben von Vorsitzender Richter am  
Oberlandesgericht a.D. Dr. Peter Dillinger
3. in seiner Eigenschaft als amtlich bestellter Vertreter.
4. Sie ist versehen mit dem Siegel des Notars Dr. Heinrich  
Kreuzer in München

## Bestätigt

5. in München
6. am 19. August 2019
7. durch die Präsidentin des Landgerichts München I
8. unter Nr. 910 a 10488/2019
9. Siegel
10. Unterschrift

Im Auftrag



  
Marcel Rath  
Justizhauptsekretär

PATENT

REEL: 051379 FRAME: 0309



# The State of Texas

## Secretary of State

Not for use within the United States of America

This Apostille only certifies the signature, the capacity of the signer and the seal or stamp it bears. It does not certify the content of the document for which it was issued.

Certificate Validation available at [www.sos.state.tx.us](http://www.sos.state.tx.us)

### APOSTILLE

(Convention de La Haye du 5 Octobre 1961)

- |                                |   |
|--------------------------------|---|
| 1. Country                     | United States of America  |
| This public document           |   |
| 2. has been signed by          | BARBARA MCKENZIE  |
| 3. acting in the capacity of   | Notary Public, State of Texas   |
| 4. and bears the seal/stamp of | BARBARA MCKENZIE,<br>Notary Public, State of Texas,<br>Commission Expires: 11-18-21 |

### CERTIFIED

- |                                       |                         |
|---------------------------------------|-------------------------|
| 5. at Austin, Texas                   | 6. on September 9, 2019 |
| 7. by the Secretary of State of Texas |                         |
| 8. Certificate No. 11797522           |                         |
| 9. Seal                               | 10. Signature:          |



A handwritten signature in black ink, appearing to read "Ruth R. Hughes".

Ruth R. Hughes  
Secretary of State

GF/aw

PATENT

REEL: 051379 FRAME: 0310

The State of Texas       §  
County of Tarrant       §

BEFORE ME, Notary Public for and in Fort Worth, Texas, on this date personally appeared Christine Bohmann and Patrick M. Ryan known to me or proved to me on the basis of satisfactory evidence to be the persons whose names are subscribed to the foregoing instrument and acknowledged to me that he executed the same of the purposes and consideration therein expressed. Given under my hand and seal of office this 29th day of August, 2019.

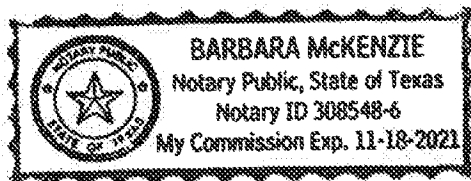
IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal this 29th day of August, 2019, at Fort Worth, Texas.

  
NOTARY PUBLIC

Barbara McKenzie  
Printed Name of Notary Public

Notary Commission Expires: November 18, 2021

[SEAL]



## POWER OF ATTORNEY

THIS DEED made on the 20<sup>th</sup> day of August, 2019, by:

- **Alcon-Couvreur N.V.**, a company organized and existing under the laws of Belgium;
- **Alcon Grieshaber AG**, a company organized and existing under the laws of Switzerland;
- **Alcon Healthcare**, a company organized and existing under the laws of Spain
- **Alcon Inc. (CH)**, a company organized and existing under the laws of Switzerland;
- **Alcon Lensx, Inc.**, a company organized and existing under the laws of the State Delaware, USA;
- **Alcon Pharmaceuticals Ltd.**, a company organized and existing under the laws of Switzerland;
- **Alcon Portugal-Produtos e Equipamentos Oftalmológicos Lda**, a company organized and existing under the laws of Spain
- **Alcon (Puerto Rico), Inc.**, a company organized and existing under the laws of the State Delaware, USA;
- **Alcon RefractiveHorizons, LLC**, a company organized and existing under the laws of the State of Delaware, USA;
- **Alcon Research, LLC**, a company organized and existing under the laws of the State Delaware, USA;
- **Alcon Vision, LLC**, a company organized and existing under the laws of the State Delaware, USA;
- **CIBA Vision GmbH**, a company organized and existing under the laws of Germany;
- **CIBA Vision, LLC**, a company organized and existing under the laws of the State Delaware, USA;
- **Clarvista Medical, Inc.**, a company organized and existing under the laws of the State Delaware, USA;
- **Optonol Ltd.**, a company organized and existing under the laws of Israel;
- **PowerVision, Inc.**, a company organized and existing under the laws of the State of Delaware, USA;
- **Tear Film Innovations, Inc.**, a company organized and existing under the laws of the State Delaware, USA;
- **Transcend Medical, Inc.**, a company organized and existing under the laws of the State Delaware, USA;
- **TrueVision Systems, Inc.**, a company organized and existing under the laws of the State Delaware, USA;
- **WaveLight GmbH**, a company organized and existing under the laws of Germany;

(each of the above companies shall be individually and collectively referred to hereafter as "the Company")

WITNESSETH as follows:

I. Appointment

Each company hereby appoints

- Brandstock Services AG, with business address at Rückertstr. 1, 80336 München, Germany  
and/or
- Dr. Volker Spitz, born on January 17th, 1961, CEO of Brandstock Services AG, with business  
address at Rückertstr. 1, 80336 München, Germany  
and/or
- Laura Morris, born on June 26, 1980, Director Renewals at Brandstock Services AG, with business  
address at Rückertstr. 1, 80336 München, Germany  
and/or
- Anna (Ganna) Popova, born on April 6<sup>th</sup>, 1982, Director IP Recordals at Brandstock Services AG,  
with business address at Rückertstr. 1, 80336 München, Germany  
and/or
- Faustine Waternaux, born on May 10, 1981, Renewals Project Leader at Brandstock Services AG,  
with business address at Rückertstr. 1, 80336 München, Germany  
and/or
- Alizée Mothion, born on April 14, 1988, Renewals Project Leader at Brandstock Services AG,  
with business address at Rückertstr. 1, 80336 München, Germany  
and/or
- Michal Moican, born on February 09<sup>th</sup>, 1988, Project Leader in IP Recordals Department of  
Brandstock Services AG, with business address at Rückertstr. 1, 80336 München, Germany  
and/or
- Juliane Weiß, born on May 17<sup>th</sup>, 1991, Project Leader in IP Recordals Department of Brandstock  
Services AG, with business address at Rückertstr. 1, 80336 München, Germany

to act on behalf of the company in respect of exclusively the recordal/submission of

- ☒ assignment
- ☒ merger
- ☒ change of name
- ☒ change of legal entity
- ☒ change of address
- ☒ renewals and other related maintenance tasks (such as reclassification, affidavits, annuity  
payments, merging of registrations, etc.)
- ☒ licenses and sub-licenses

of the trademarks, patents, designs and other intellectual property rights of the Company.

For the aforesaid purpose, we hereby authorize said agents to appoint a substitute, or substitutes, to execute and amend any documents in order to maintain our trademarks, patents, designs and other intellectual property rights in force.

IN WITNESS WHEREOF this Deed has been executed for and on behalf of the Company on the day and year before written.

Fort Worth, Texas

Fort Worth, Texas

*C. Bohmann* 08/29/19

Christine Bohmann  
Head Legal IP and Assistant Secretary

*Patrick M. Ryan* 8/29/19

Patrick M. Ryan  
Head Patent Strategy and Operations

POWER OF ATTORNEY

**THIS DEED** made on July 30<sup>th</sup>, 2019 on behalf of:

- **Novartis AG**, a company organized and existing under the laws of Switzerland;
- **Novartis Pharma AG**, a company organized and existing under the laws of Switzerland;
- **Novartis Pharmaceuticals Corporation.**, a company organized and existing under the laws of the State Delaware, USA;
- **Novartis Pharma S.A.S.** a company organized and existing under the laws of France;

(each of the above companies shall be individually and collectively referred to hereafter as "the Company")

**WITNESSETH** as follows:

**1. Appointment**

Each company hereby appoints

- Brandstock Services GmbH, with business address at Cesta v Gorice 34b, 1000 Ljubljana, Slovenia  
and/or
- Katarina Urbanija, born on May 6<sup>th</sup>, 1975, General Manager of Brandstock Services GmbH, with business address at Cesta v Gorice 34b, 1000 Ljubljana, Slovenia  
and/or
- Ana Bobnar, born on January 7<sup>th</sup>, 1990, Trademark Assistant at Brandstock Services GmbH, with business address at Cesta v Gorice 34b, 1000 Ljubljana, Slovenia  
and/or
- Eva Margareta Krisper, born on February 7<sup>th</sup>, 1991, Trademark Assistant at Brandstock Services GmbH, with business address at Cesta v Gorice 34b, 1000 Ljubljana, Slovenia  
and/or
- Maja Babnik, born on May 29<sup>th</sup>, 1993, Trademark Assistant at Brandstock Services GmbH, with business address at Cesta v Gorice 34b, 1000 Ljubljana, Slovenia  
and/or
- Katja Berk Bevc, born on March 28<sup>th</sup>, 1991, Trademark Assistant at Brandstock Services GmbH, with business address at Cesta v Gorice 34b, 1000 Ljubljana, Slovenia  
and/or
- Matjuša Jakopin, born on November 15<sup>th</sup>, 1984, Trademark Attorney at Brandstock Services GmbH, with business address at Cesta v Gorice 34b, 1000 Ljubljana, Slovenia  
and/or
- Vesna Dumendžić, born on July 14<sup>th</sup>, 1984, Trademark Attorney at Brandstock Services GmbH, with business address at Cesta v Gorice 34b, 1000 Ljubljana, Slovenia  
and/or
- Urban Tavčar, born on June 3<sup>rd</sup>, 1980, Head of Docketing at Brandstock Services GmbH, with business address at Cesta v Gorice 34b, 1000 Ljubljana, Slovenia

to act on behalf of the company in respect of exclusively the recordal/submission of

- ☒ assignment
- ☒ merger
- ☒ change of name
- ☒ change of legal entity
- ☒ change of address
- ☒ renewals and other related maintenance tasks (such as reclassification, affidavits, annuity payments, merging of registrations, etc.)
- ☒ licenses and sub-licenses

of the trademarks, patents, designs and other intellectual property rights of the company, and for no other purpose.

For the aforesaid purpose, we hereby authorize said agents to appoint a substitute, or substitutes, to execute and amend any documents in order to maintain our trademarks, patents, designs and other intellectual property rights in force.

This Appointment is revocable at any time and supersedes as of its effective date all previous such appointments and/or power of attorney relating to the subject matter of this deed.

IN WITNESS WHEREOF this Deed has been executed for and on behalf of the Company on the day and year before written.

Munich, July 30<sup>th</sup>, 2019  
(Place and Date)

  
\_\_\_\_\_  
Anna Popova, Proxy-Holder

UrkRNR. 3453

vom 30. Juli 2019

File No [see above] dating from [see above and below]

Notar Dr. Heinrich Kreuzer  
Perusastr. 7, D 80333 München  
☎ +49 89 290 916-0 Fax -66  
notar@kreuzer-muenchen.de

Sachbearbeiter: sm

Dated TX00004000 Vorgang Brand-  
stock 20190730 (Dated 30 July 2019)

Country of Bavaria (Germany)

City of München [Munich]

I herewith certify, that

Mrs

Given Names:

Anna (Ganna)

Family Name:

Popova

Date of Birth [Day, Month, Year]: 6.4.1982

Address [street and house number]: Rückertstr. 1

[postal code and city]:

80336 München (Munich)

personally known to me, the notary, has subscribed and sworn (affirmed) today the foregoing document in front of me.

July

day of September, two thousand nineteen

*Peter Dillinger*

Dr. Peter Dillinger as official representative of  
Dr. Heinrich Kreuzer, Notary

Perusastr. 7 [street and house number],

D-80333 München (Munich) [postal code and city]

☎ +49 (89) 290 916-0, Fax -66; notar@kreuzer-muenchen.de

Hint: As to the law of the state in which this document shall be used it may be necessary that my -  
notary's - signature gets legalized. Competent therefore is usually the President of the court „Landgericht  
München I“ here in Munich, Palace of Justice, Prielmayersstr.7, D-80335 München.

Original: → versandt / ausgehändigt an | sent to / handed out to Brandstock

Scan:

☐ Urkundensammlung | file-collection of the notary

PATENT

REEL: 051379 FRAME: 0316



# APOSTILLE

(Convention de La Haye du 5 octobre 1961)

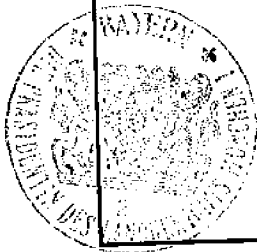
1. Land: Bundesrepublik Deutschland  
Diese öffentliche Urkunde
2. ist unterschrieben von Vorsitzender Richter am  
Oberlandesgericht a.D. Dr. Peter Dillinger
3. in seiner Eigenschaft als amtlich bestellter Vertreter.
4. Sie ist versehen mit dem Siegel des Notars Dr. Heinrich  
Kreuzer in München

## Bestätigt

5. in München
6. am 19. August 2019
7. durch die Präsidentin des Landgerichts München I
8. unter Nr. 910 a 10487/2019
9. Siegel
10. Unterschrift

Im Auftrag

  
Marcel Rahn  
Justizhauptsekretär



PATENT

REF: 051270 FRAME: 0317

*APOSTILLE*

*(CONVENTION DE LA HAYE DU 5 OCTOBRE 1961)*

1. COUNTRY: UNITED STATES OF AMERICA
2. THIS PUBLIC DOCUMENT HAS BEEN SIGNED BY:  
LILA E FREEMAN
3. ACTING IN THE CAPACITY OF:  
NOTARY PUBLIC OF NEW JERSEY
4. BEARS THE SEAL/STAMP OF:  
LILA E FREEMAN, NOTARY

CERTIFIED

5. AT TRENTON, NEW JERSEY
6. THE 21ST DAY OF MAY 2019
7. BY: Elizabeth Maher Muoio  
State Treasurer
8. NO: A684153
9. SEAL/STAMP:
10. SIGNATURE



A handwritten signature in black ink, appearing to read "Elizabeth Maher Muoio".

Elizabeth Maher Muoio  
State Treasurer

Certificate Number: 141413943

Verify this certificate at  
[https://www1.state.nj.us/TYTR\\_StandingCert/JSP/Verify\\_Cert.jsp](https://www1.state.nj.us/TYTR_StandingCert/JSP/Verify_Cert.jsp)

POWER OF ATTORNEY

THIS DEED made on the 15<sup>th</sup> of May 2019:

- Novartis AG, a company organized and existing under the laws of Switzerland;
- Novartis Pharma AG, a company organized and existing under the laws of Switzerland;
- Novartis Pharmaceuticals Corporation, a company organized and existing under the laws of the State Delaware, USA;

(each of the above companies shall be individually and collectively referred to hereafter as "the Company")

WITNESSETH as follows:

1. Appointment

Each company hereby appoints

- Brandstock Services AG, with business address at Rückertstr. 1, 80336 München, Germany  
and/or
- Dr. Volker Spitz, born on January 17th, 1961, CEO of Brandstock Services AG, with business address at Rückertstr. 1, 80336 München, Germany  
and/or
- Laura Morris, born on June 26, 1980, Director Renewals at Brandstock Services AG, with business address at Rückertstr. 1, 80336 München, Germany  
and/or
- Anna (Ganna) Popova, born on April 6<sup>th</sup>, 1982, Director IP Recordals at Brandstock Services AG, with business address at Rückertstr. 1, 80336 München, Germany  
and/or
- Faustine Waternaux, born on May 10, 1981, Renewals Project Leader at Brandstock Services AG, with business address at Rückertstr. 1, 80336 München, Germany  
and/or
- Alizée Mothion, born on April 14, 1988, Renewals Project Leader at Brandstock Services AG, with business address at Rückertstr. 1, 80336 München, Germany  
and/or
- Michal Molcan, born on February 09<sup>th</sup>, 1988, Project Leader in IP Recordals Department of Brandstock Services AG, with business address at Rückertstr. 1, 80336 München, Germany  
and/or
- Juliane Weiß, born on May 17<sup>th</sup>, 1991, Project Leader in IP Recordals Department of Brandstock Services AG, with business address at Rückertstr. 1, 80336 München, Germany

to act on behalf of the company in respect of exclusively the recordal/submission of

- ☒ assignment
- ☒ merger

- ☒ change of name
- ☒ change of legal entity
- ☒ change of address
- ☒ renewals and other related maintenance tasks (such as reclassification, affidavits, annuity payments, merging of registrations, etc.)
- ☒ licenses and sub-licenses

of the trademarks, patents, designs and other intellectual property rights of the company, and for no other purpose.

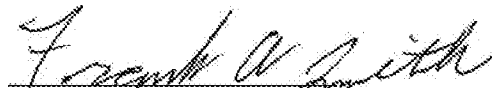
For the aforesaid purpose, we hereby authorize said agents to appoint a substitute, or substitutes, to execute and amend any documents in order to maintain our trademarks, patents, designs and other intellectual property rights in force.

This Appointment is revocable at any time and supersedes as of its effective date all previous such appointments and/or powers of attorney relating to the subject matter of this deed.


IN WITNESS WHEREOF this Deed has been executed for and on behalf of the Company on the day and year before written.

East Hanover, United States, 15<sup>th</sup> May 2019

**Novartis AG**

  
Frank A. Smith

Authorized Signatory  
VP, IP Transactions

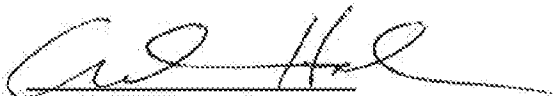
  
Dillon Kim

Authorized Signatory  
Group IP Litigation and Transactions


[See Next Page for Additional Signatures]

East Hanover, United States, 16<sup>th</sup> May 2019

**Novartis Pharma AG**

  
Drew Holmes

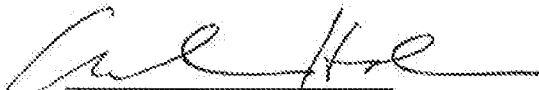
Authorized Signatory  
Senior Patent Attorney

  
Gregory Ferraro

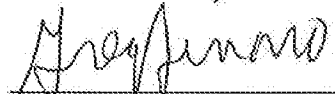
Authorized Signatory  
Senior Patent Attorney

East Hanover, United States, 16<sup>th</sup> May 2019

**Novartis Pharmaceutical Corporation**

  
Drew Holmes

Authorized Signatory  
Senior Patent Attorney

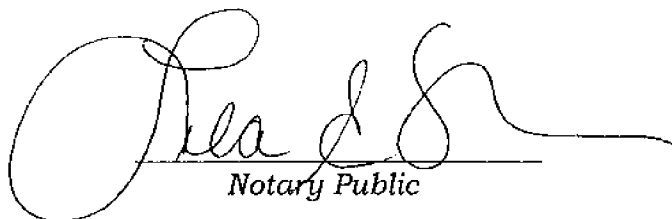
  
Gregory Ferraro

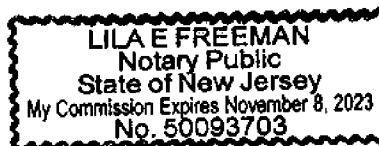
Authorized Signatory  
Senior Patent Attorney

State of New Jersey     )  
                                      )SS:  
County of Middlesex     )

On this 15<sup>th</sup> day of May, 2019, before me, **Lila E. Freeman** a notary public, the undersigned, **Frank A. Smith** and **Dillon Kim** personally appeared, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same for the purposes therein contained.

In witness hereof, I hereunto set my hand and official seal.

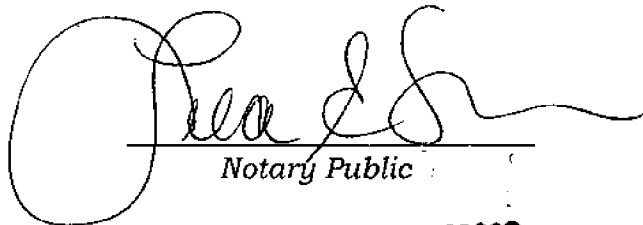
  
Notary Public



State of New Jersey     )  
                                      )SS:  
County of Middlesex     )

On this 16<sup>th</sup> day of May, 2019, before me, **Lila E. Freeman** a notary public, the undersigned, **Drew Holmes**, and **Gregory Ferraro** personally appeared, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same for the purposes therein contained.

In witness hereof, I hereunto set my hand and official seal.

  
\_\_\_\_\_  
Notary Public

