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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GERD KRAUSE	09/26/2018
INNA HOYER	10/08/2018
EDGAR SPECKER	09/26/2018
JENS FURKERT	09/26/2018
PATRICK MARCINKOWSKI	09/26/2018
JENS-PETER VON KRIES	09/26/2018
MARTIN NEUENSCHWANDER	09/27/2018
MARC NAZARE	09/26/2018

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16096868

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ATTORNEY DOCKET NUMBER:	HERT022.001APC
NAME OF SUBMITTER:	RAYMOND D. SMITH
SIGNATURE:	/Raymond D. Smith/

PATENT 505911518 REEL: 051789 FRAME: 0324

DATE SIGNED:	02/11/2020
Total Attachments: 10	
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COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.: HERT022,001APC

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Tible: ANTAGONISTS OF THE THYBOID-STIMULATING HORMONE RECEPTOR (TSHR)

Inventors: Gerd Krause; Inna Hoyer; Edgar Specker; Jens Furkert; Patrick Marcinkowski; Jens-Peter von

Kries; Martin Neuenschwander, and Marc Nazare

Declaration

This Declaration is directed to International Application No. PCT/EP2017/059930, filed April 27, 2016 and incorporating any amendments made thereto prior to the signature date of this Declaration.

As a named inventor, I declare that:

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1,56.

Assignment from Inventors

WHEREAS, above-identified inventors (individuals hereinafter "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas, ornamental designs, or discoveries, and hereby assign or are under an obligation to assign to the below identified Assignee the above-littled application (collectively hereinafter referred to as the "Work") for which an application for Letters Patent in the United States (identified above) has been prepared for filing with the United States Patent and Trademark Office (hereinafter the "Application").

AND WHEREAS, Forschungsverbund Berlin e.V., with its principal place of business at Rudower Chaussee 17 12489 Berlin, Germany (hereinafter the "ASSIGNEE"), desires to acquire the entire right, title, and interest in and to the Application and the Work.

NOW, THEREFORE, for good and valuable consideration of which receipt is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in the Application and the Work, including all Patent Properties filed or issued upon the Application and the Work; where "Patent Properties" include, but are not limited to:

all nonprovisional applications claiming priority to aforementioned provisional(s) and/or the present Application, including, all divisions, continuations, continuations-in-part, and reissues, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof; and

all rights of priority under international Conventions and any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals and reissues thereof.

ASSIGNOR hereby acknowledges the ASSIGNEE as the Applicant for all aforementioned Patent Properties, and authorizes and requests the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.: HERT022,001APC

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Title: ANTAGONISTS OF THE THYROID-STIMULATING HORMONE RECEPTOR (TSHR)

Inventors: Gerd Krause; Inna Hoyer; Edgar Specker; Jens Furkert; Patrick Mareinkowski; Jens-Peter von Kries; Martin Neuenschwander; and Marc Nazare

applications as aforesaid, to issue all related Letters Patent to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past intringements of said Letters Patent before or after issuance.

AND ASSIGNOR DOES HEREBY coverant and agree that ASSIGNOR will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Work, and testify in any legal proceeding, assist in the preparation of any other Patent Property relating to the Application and the Work or any improvements made thereto, sign/execute all lawful papers, authorize the filling of and execute and make all rightful paths and/or declarations in connection with the Application and the Work including any improvements made thereto, any patent applications filled therefrom, and any continuing application filled from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Work in all countries.

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e)) Application Data Sheet filed previously or concurrently Docket No.: HERT022.001APC Page 3 of 10 Title: ANTAGONISTS OF THE THYROID-STIMULATING HORMONE RECEPTOR (TSHR) Inventors: Gerd Krause; Inna Hoyer; Edgar Specker; Jens Furkert; Patrick Marcinkowski; Jens-Peter von Kries; Martin Neuenschwander; and Marc Nazare Legal Name of Inventor: Gerd Krause Signature: Date: 9/26/2018 Witnessed by: Birg: Opping 210

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e)) Application Data Sheet filed previously or concurrently Docket No.: HERT022 001APC Page 4 of 10 Title: ANTAGONISTS OF THE THYROID-STIMULATING HORMONE RECEPTOR (TSHR) Inventors: Gerd Krause; Inna Hoyer; Edgar Specker; Jens Furkert; Patrick Marcinkowski; Jens-Peter von Kries; Martin Neuenschwander; and Marc Nazare Legal Name of inventor: Inna Hoyer Signature: Juco Hoy Date: D8 DC4 2018 Witnessed by: Jens-Peter von Date: D8 DC4 2018 Witnessed by: Jens-Peter von Date: D8 DC4 2018

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e)) Application Data Street filed previously or concurrently Docket No.: HERT022,001APC Page 5 of 10 Title: ANTAGONISTS OF THE THYROID-STIMULATING HORMONE RECEPTOR (TSHR) Inventors: Gerd Krause; Inna Hoyer; Edgar Specker; Jens Furkert; Patrick Marcinkowski; Jens-Peter von Kries; Martin Neuenschwander; and Marc Nazare Legal Name of inventor: Edgar Specker Signature: Signature: Date: 6/09/2018 Witnessed by: Witness Name (printed):

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(c)) Application Data Sheet filed previously or concurrently

Docket No.: HERT022.001APC

Title: ANTAGONISTS OF THE THYROID-STIMULATING HORMONE RECEPTOR (TSHR)

Inventors: Gerd Krause; Inna Hoyer; Edgar Specker; Jens Furkert; Patrick Marcinkowski; Jens-Peter von Kries; Martin Neuenschwander; and Marc Nazare

Legal Name of inventor: Jens Furkert

Signature:

Date: 24.09.2018

Witness Name (printed):

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e)) Application Data Sheet filed previously or concurrently

Docket No.: HERT022.001APC

Title: ANTAGONISTS OF THE THYROID-STIMULATING HORMONE RECEPTOR (TSHR)
Inventors: Gerd Krause; Inna Hoyer; Edgar Specker; Jens Furkert; Patrick Marcinkowski; Jens-Peter von Kries; Martin Neuenschwander; and Marc Nazare

Legal Name of Inventor; Patrick Marcinkowski

Signature: 7 Marcinkowski

Witnessed by: 7 Onmarn

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e)) Application Data Sheet filed previously or concurrently Docket No.; HERT022.001APC Page 8 of 10 Title: ANTAGONISTS OF THE THYROID-STIMULATING HORMONE RECEPTOR (TSHR) Inventors: Gerd Krause; Inna Hoyer; Edgar Specker; Jens Furkert; Patrick Marcinkowski; Jens-Peter von Kries; Martin Neuenschwander; and Marc Nazare Legal Name of Inventor: Jens-Peter von Kries Signature: Witnessed by: Witness Name (printed): Biggin Computer (1000) Application (10

COMBINED DECLARATION & ASSIGN Application Data Sheet filed previou	VMENT (37 CFR 1.63(e)) sly or concurrently
Docket No.: HERT022.001APC	Page 9 of 10
Title: ANTAGONISTS OF THE THYROID-STIMULATING HO	RMONE RECEPTOR (TSHR)
Inventors: Gerd Krause; Inna Hoyer; Edgar Specker; Jens Fu Kries; Martin Neuenschwander; and Marc Nazare	rkert; Patrick Marcinkowski; Jens-Peter von
Legal Name of Inventor: Martin Neuenschwander	
Signature: 704 Man	Date: <u>27.9.200</u>
Witnessed by:	D1222
Witness Name (printed):	<u>Oppnann</u>

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e)) Application Data Sheet filed previously or concurrently

Dockel No.: HERT022,001APC	Page 10 of 10
Title: ANTAGONISTS OF THE THYROID-STIMULATING HORMONE REC	EPTOR (TSHR)
Inventors: Gerd Krause; Inna Hoyer; Edgar Specker; Jens Furkert; Patrick Kries; Martin Neuenschwander; and Marc Nazare	Marcinkowski; Jens-Peter von
Legal Name of Inventor: Marc Nazare	ed - earth universal distribution (see a element of see
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