

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
EDWARD J BRNARDIC	10/11/2017
CARL A. BROOKS	10/11/2017
BRIAN GRIFFIN LAWHORN	10/11/2017
PENG LI	10/12/2017
JAY M. MATTHEWS	10/11/2017
JOHN JEFFREY MCATEE	10/11/2017
JOSEPH E. PERO	10/11/2017
MATTHEW ROBERT SENDER	10/10/2017
LAMONT ROSCOE TERRELL	10/05/2017
DAVID J. BEHM	10/11/2017

RECEIVING PARTY DATA

Name:	GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED
Street Address:	980 GREAT WEST ROAD
Internal Address:	BRENTFORD
City:	MIDDLESEX
State/Country:	ENGLAND
Postal Code:	TW8 9GS

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16334400

CORRESPONDENCE DATA**Fax Number:** (610)917-6934*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.***Phone:** (215) 932-8796**Email:** us_cipkop@gsk.com**Correspondent Name:** GLAXOSMITHKLINE**Address Line 1:** 1250 SOUTH COLLEGEVILLE ROAD**Address Line 2:** UP4110**Address Line 4:** COLLEGEVILLE, PENNSYLVANIA 19426

PATENT

ATTORNEY DOCKET NUMBER:	PU66157
NAME OF SUBMITTER:	WAYNE J. DUSTMAN
SIGNATURE:	/Wayne J. Dustman/
DATE SIGNED:	03/20/2019
Total Attachments: 3 source=PU66157_WO_WW_Assignment_COMPLETE#page1.tif source=PU66157_WO_WW_Assignment_COMPLETE#page2.tif source=PU66157_WO_WW_Assignment_COMPLETE#page3.tif	

ASSIGNMENT

WHEREAS I/WE, **Edward J BRNARDIC**, a citizen of Canada, of King of Prussia, Pennsylvania 19406, **Carl A. BROOKS**, a citizen of the United Kingdom, of King of Prussia, Pennsylvania 19406; and **Brian Griffin LAWHORN, Peng LI, Jay M. MATTHEWS, John Jeffrey McATEE, Joseph E. PERO, Matthew Robert SENDER, Lamont Roscoe TERRELL**; and **David J. BEHM**, all citizens of the United States, of King of Prussia, Pennsylvania 19406 (hereinafter called "the inventor(s)") have invented or discovered certain improvements in "**TRPV4 ANTAGONISTS**" (hereinafter referred to as "the invention and improvements") for which priority application **62/397008** was filed on **20 Sep 2016** and **62/482300** was filed on **06 April 2017** in the United States, and for which a PCT international application **PCT/IB2017/055702** was filed on **20 Sep 2017**, designating the United States of America.

WHEREAS, **GLAXOSMITHKLINE LLC**, a company incorporated in the State of Delaware, USA, whose registered address is 2711 Centerville Road, Suite 400, Wilmington, Delaware 19808, United States of America, is desirous of acquiring the whole right, title and interest in and to said invention and improvements, and in and to any applications for said invention and improvements, including the right to claim priority, and in and to and any Letters Patent to be obtained therefor, in all countries, including the United States, its territories and possessions, and

WHEREAS **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED**, a company incorporated in England whose registered address is 980 Great West Road, Brentford, Middlesex TW8 9GS, England, is desirous of acquiring from **GLAXOSMITHKLINE LLC** the whole right, title and interest in and to the invention and improvements and in and to the application, and

WHEREAS GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED a company incorporated in England whose registered address is 980 Great West Road, Brentford, Middlesex TW8 9GS, England, is desirous of acquiring the whole right, title and interest in and to the invention and improvements and in and to any applications for the invention and improvements and any Letters Patent to be obtained therefor, in all countries, including the United States of America, its territories and possessions;

NOW, THEREFORE, to all whom it may concern, be it known that I/we, **the inventors** for good and valuable consideration unto me/us moving, the receipt whereof is hereby acknowledged, have sold, assigned and transferred, and by these presents do sell, assign and transfer my/our whole right, title and interest in and to said invention and improvements to said **GLAXOSMITHKLINE LLC**, throughout the United States of America, its territories and possessions, and in and to said application, and any extensions, reissues,

continuations, continuations-in-part, and any divisions thereof, and in and to any and all Letters Patent of the United States of America, including any priority rights under the International Convention

AND, my/our whole right, title and interest in and to said invention and improvements to GLAXOSMITHKLINE LLC, in all other countries throughout the world, and in and to any applications in said other countries, and continuations-in-part, patents of addition, revalidation patents, patents of importation, registrations, and any renewals, extensions and divisions thereof, and in and to any and all Letters Patent of said all other countries which may be granted on said invention and improvements including any priority rights under the International Convention.

GLAXOSMITHKLINE LLC in turn hereby assigns and transfers to GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED its whole right, title and interest in all countries, including the United States of America, its territories and possessions in and to the invention and improvements and in and to the application including the right to claim priority from the application in respect of any subsequent applications, and in and to any divisional application, continuation or continuation in part application thereof, and in and to any Supplementary Protection Certificate, extension or re-issue thereof, and GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED in turn hereby assigns and transfers to **GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED** its whole right, title and interest in all countries, including the United States of America, its territories and possessions in and to the invention and improvements and in and to the application including the right to claim priority from the application in respect of any subsequent applications, and in and to any divisional application, continuation or continuation in part application thereof, and in and to any Supplementary Protection Certificate, extension or re-issue thereof

AND I/we the inventor(s) and GLAXOSMITHKLINE LLC and GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED hereby authorise and request any patent arising therefrom, in all countries, including the United States of America, its territories and possessions, be issued to **GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED**;

AND GLAXOSMITHKLINE SERVICES UNLIMITED and GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED hereby, and I/we the inventor(s) for myself/ourselves and my/our respective executors and legal representatives hereby, agree at the request and cost of **GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED** to provide information and make execute and deliver any and all other instruments in writing, and any and all further acts, applications, papers, affidavits, assignments and other documents which may be possible and are necessary or desirable to more effectually secure to and vest in **GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED**, its successors and assigns, the whole right, title and interest in and to the invention and improvements and in and to the

application hereby assigned and transferred in all countries, including the United States of America, its territories and possessions.

IN WITNESS whereof and with effect from the 20 Sep 2016, the inventor(s) and the Attorney & Authorised Official of GLAXOSMITHKLINE LLC and GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED and GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED have hereunto set their respective hands.

Inventor Name	Signature	Date
Edward J BRNARDIC:	<u>[Signature]</u>	<u>11 Oct 2017</u>
Carl A. BROOKS:	<u>[Signature]</u>	<u>11 Oct 2017</u>
Brian Griffin LAWHORN:	<u>[Signature]</u>	<u>Oct. 11, 2017</u>
Feng LI:	<u>[Signature]</u>	<u>10/12/17</u>
Jay M. MATTHEWS:	<u>[Signature]</u>	<u>10/11/17</u>
John Jeffrey McATEE:	<u>[Signature]</u>	<u>10/11/2017</u>
Joseph E. PERO:	<u>[Signature]</u>	<u>10/11/17</u>
Matthew Robert SENDER:	<u>[Signature]</u>	<u>10/10/17</u>
Lamont Roscos TERRELL:	<u>[Signature]</u>	<u>10/09/17</u>
David J. BEHM:	<u>[Signature]</u>	<u>10/11/17</u>

SIGNED by EDWARD R. GIMMI As the Attorney & Authorised Official of
 GLAXOSMITHKLINE LLC and GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED and
 GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED:

[Signature]
 Signature

Date: 10-16-2017