

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jacob Berger</td> <td>11/10/2009</td> </tr> <tr> <td>Christine E. Brotherton-Pleiss</td> <td>11/09/2009</td> </tr> <tr> <td>Keith Adrian Murray Walker</td> <td>11/12/2009</td> </tr> <tr> <td>Shu-Hai Zhao</td> <td>11/12/2009</td> </tr> <tr> <td>Francisco Javier Lopez-Tapia</td> <td>11/25/2009</td> </tr> </tbody> </table>		Name	Execution Date	Jacob Berger	11/10/2009	Christine E. Brotherton-Pleiss	11/09/2009	Keith Adrian Murray Walker	11/12/2009	Shu-Hai Zhao	11/12/2009	Francisco Javier Lopez-Tapia	11/25/2009
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CORRESPONDENCE DATA													
<p>Fax Number: (650)855-5322 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 650-855-5138 Email: julie.dalla@roche.com Correspondent Name: Julie Dalla Address Line 1: 3431 Hillview Avenue Address Line 2: M/S A2-250 Address Line 4: Palo Alto, CALIFORNIA 94304</p>													
ATTORNEY DOCKET NUMBER:	R0460B_REG_ASSIGNMENT I												

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PATENT
REEL: 023739 FRAME: 0242

NAME OF SUBMITTER:

Julie Dalla

Total Attachments: 7

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ASSIGNMENT I

WHEREAS, We, **Jacob Berger, Christine E. Brotherton-Pleiss, Francisco Javier Lopez-Tapia, Keith Adrian Murray Walker, and Shu-Hai Zhao** ("Assignors"), having the respective addresses indicated below, have invented certain subject matter entitled

"DIHYDROPYRIDONE AMIDES AS P2X7 MODULATORS" (the "Invention"),

described in U.S. patent application Attorney Docket No. **R0460B-REG**, for Letters Patent of the United States of America (the "Application").

AND WHEREAS, Roche Palo Alto LLC ("Assignee"), a company of Delaware, having an address at 3431 Hillview Avenue, Palo Alto, California 94304, desires to perfect its right to the Invention and in the Letters Patent(s) to be obtained therefor from the United States of America and all countries foreign thereto;

I hereby authorize and request my attorneys/agents of Assignee, to insert here in parentheses (Application Serial No. 12/637,940, filed December 15, 2009) the Application serial number and filing date of said Application when known.

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors acknowledge Assignee's interest in the Invention and hereby assign to Assignee for the United States of America and all countries foreign thereto all our rights, title and interest, including all rights under the Paris Convention for the Protection of Industrial Property, in the Invention, as described and claimed in the Application and its U.S. priority application Serial No. 61/203,462, filed December 23, 2008 or in any subsequent patent application(s) filed under 35 U.S.C. §111(a), claiming benefit of the Application under 35 U.S.C. §119(e), or 35 U.S.C. §120, or in any continuation, continuation-in-part, continued prosecution application, divisional, substitute, reissue, reexamination or extension thereof and any legal equivalent thereof in a country foreign to the United States of America; the Invention, application and Letters Patent(s) to be owned by Assignee, its successors, assigns and legal representatives, to the full end of the term for which such Letters Patent(s) may be granted.

Assignors hereby covenant that they have the full right to convey the entire interest assigned herein and have not executed and will not execute any agreement in conflict herewith.

Assignors further covenant to execute and deliver upon request and without undue delay, to Assignee, its successors, assigns and legal representatives, all lawful documents necessary or desirable to effect this assignment and perfect the title to the Invention, Application and Letters Patent(s) and all foreign patents and applications claiming priority thereto.

ASSIGNMENT 1

Assignors further covenant to cooperate and participate in any administrative or legal proceeding and execute all lawful documents necessary or desirable for Assignee, its successors, assigns and legal representatives to obtain, maintain and enforce patent protection in the invention in all countries, provided that Assignee reimburses Assignors for any expenses incurred therewith by Assignors.

This assignment is effective as of the earlier of the date of execution of this document or the filing date accorded by the United States Patent and Trademark Office to the Application, as indicated in the Filing Receipt for said Application.

I have read and understand this Assignment document for the Application, and agree hereto, as indicated by my signature as set forth below.

Signature Jacob Berger Date 11-10-2009
Jacob Berger
12135 Dawn Lane, Los Altos Hills, California 94022 (USA)

Signature Christine E. Brotherton-Pleiss Date 11-9-09
Christine E. Brotherton-Pleiss
848 Stella Court, Sunnyvale, California 94087 (USA)

Signature Keith Adrian Murray Walker Date 11/12/09
Keith Adrian Murray Walker
12798 Canario Way, Los Altos Hills, California 94022 (USA)

Signature Shu-Hai Zhao Date 11/12/09
Shu-Hai Zhao
10385 Melissa Court, Cupertino, California 95014 (USA)

ASSIGNMENT I

Signature Francisco Javier Lopez-Tapia Date 11/25/2009
Francisco Javier Lopez-Tapia
9 Country Lane, Mahwah, New Jersey 07430 (USA)

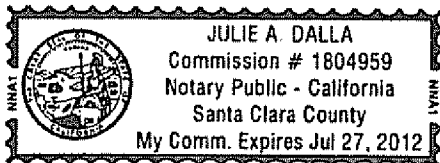
CALIFORNIA ALL-PURPOSE ACKNOWLEDGEMENT

State of California)
) ss
County of Santa Clara)

On November 9, 2009, before me, Julie A. Dalla, Notary Public
DATE NAME, TITLE OF OFFICER - E.G., "JANE DOE, NOTARY PUBLIC"
personally appeared Christine E. Brotherton-Pleiss
NAME(S) OF SIGNER(S)

who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.



WITNESS my hand and official seal

Julie A. Dalla
SIGNATURE OF NOTARY

CALIFORNIA ALL-PURPOSE ACKNOWLEDGEMENT

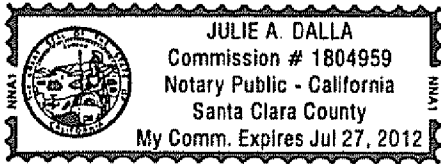
State of California)
) ss
County of Santa Clara)

On November 10, 2009 before me, Julie A. Dalla
DATE NAME, TITLE OF OFFICER - E.G., "JANE DOE, NOTARY PUBLIC"

personally appeared Jacob Berger
NAME(S) OF SIGNER(S)

who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct



WITNESS my hand and official seal.

Julie A. Dalla
SIGNATURE OF NOTARY

CALIFORNIA ALL-PURPOSE ACKNOWLEDGEMENT

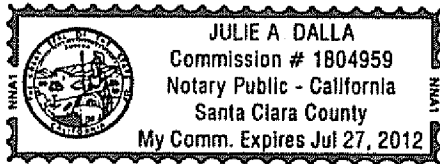
State of California)
) ss.
County of Santa Clara)

On November 12, 2009, before me, Julie A. Dalla, Notary Public
DATE NAME, TITLE OF OFFICER - E.G., "JANE DOE, NOTARY PUBLIC"

personally appeared Keith Adrian Murray Walker and Shu-Hai Zhao
NAME(S) OF SIGNER(S)

who proved to me on the basis of satisfactory evidence to be the persons whose names are subscribed to the within instrument and acknowledged to me that they executed the same in their authorized capacities, and that by their signatures on the instrument the persons, or the entity upon behalf of which the persons acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct



WITNESS my hand and official seal.

Julie A. Dalla
SIGNATURE OF NOTARY

UNITED STATES OF AMERICA)
STATE OF NEW JERSEY) ss.--
COUNTY OF ESSEX)

On this 25th day of November, 2009 before me personally appeared

Francisco Javier Lopez-Tapia

to me known to be the person described in the foregoing instrument, who acknowledged that he executed the foregoing instrument on his own free will for the purposes therein set forth.


Notary Public

BETTYANN HEDEMUS
Notary Public of New Jersey
Commission Expires 9/25/2012