504693113 12/18/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4739835

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
F. HOFFMANN-LA ROCHE AG	11/22/2017

RECEIVING PARTY DATA

Name:	HOFFMANN-LA ROCHE INC.	
Street Address:	GREAT NOTCH, 150 CLOVE ROAD	
Internal Address:	8TH FLOOR	
City:	LITTLE FALLS	
State/Country:	NEW JERSEY	
Postal Code:	07424	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15829481

CORRESPONDENCE DATA

Fax Number: (650)952-9881

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: 650-467-8720
Email: kokkac@gene.com
Correspondent Name: CHIAKI KOKKA
Address Line 1: 1 DNA WAY

Address Line 4: SOUTH SAN FRANCISCO, CALIFORNIA 94080

ATTORNEY DOCKET NUMBER:	P32891-US
NAME OF SUBMITTER:	CHIAKI KOKKA
SIGNATURE:	/Chiaki Kokka/
DATE SIGNED:	12/18/2017

Total Attachments: 3

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PATENT 504693113 REEL: 044424 FRAME: 0445

Case No. 32891 TO BE NOTARIZED

ASSIGNMENT AGREEMENT

F. Hoffmann-La Roche AG ("ASSIGNOR") a corporation duly organized under the laws of Switzerland and having its principal place of business at Grenzacherstrasse 124, CH-4070 Basel, Switzerland

acknowledges the previous transfer to

Hoffmann-La Roche Inc. ("ASSIGNEE") a corporation of the State of New Jersey, United States of America, having its principal place of business at Great Notch, 150 Clove Road, 8th Floor, 07424 Little Falls, New Jersey, United States of America

for good and valuable consideration paid to ASSIGNOR by ASSIGNEE, the receipt and sufficiency of which is hereby acknowledged, of all right, title, and interest in, to, and deriving from the invention(s) disclosed in the patent application(s) set forth below for the territory of the United States of America and its possessions by operation of law, contract, or otherwise, and any Letters Patent which may hereafter be granted on the same in the United States including any application claiming priority under 35 U.S.C. §119(e), divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, reexaminations, prolongations or extensions thereof.

As far as the right, title, and interest of ASSIGNOR in, to, and deriving from the invention(s) disclosed in the patent application(s) set forth below may not have been transferred, for good and valuable consideration paid to ASSIGNOR by ASSIGNEE, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR hereby assigns, sells and transfers to ASSIGNEE, and to ASSIGNEE'S successors and assigns, for the territory of the United States of America and its possessions all of ASSIGNOR'S right, title and interest in, to, and deriving from the invention(s) described in the patent application(s) listed below, including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, reexaminations, prolongations or extensions thereof, or other U.S. patent applications claiming the benefit of the filling date of the following patent application(s):

Case No. 32891-EP

Country Europe Filing Date 03 June 2015 Serial No. 15170401.2

entitled

Ethynyl derivatives

ASSIGNEE, by virtue of this Assignment, shall have the right to file and own patent applications that claim priority to and are based in whole or in part on the patent application(s) cited above with the United States Patent and Trademark Office and to own Letters Patents that issue thereon. Accordingly, ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for such patent applications, including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, reexaminations, prolongations or extensions thereof, to ASSIGNEE, its successors and assigns.

ASSIGNOR does hereby covenant and agree with ASSIGNEE, its successors and assigns, that ASSIGNOR will not execute any writing or do any act conflicting with this assignment, and ASSIGNOR further agrees that he will, without charge to said ASSIGNEE, but at ASSIGNEE'S expense, cooperate with ASSIGNEE in the prosecution of said Letters Patent and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest little thereto in said ASSIGNEE, or ASSIGNEE'S successors and assigns.

PATENT REEL: 044424 FRAME: 0446 This agreement shall be governed and construed in accordance with substantive laws of Switzerland, with the exclusion of the Vienna Convention on the International Sale of Goods dated April 11, 1980. The competent courts of Basel City, Switzerland shall have exclusive jurisdiction.

ASSIGNOR

F. Hoffmann - La Roche AG

Basel, November 22, 2017

Antonio Natoli

Petra Querfeld

Holder of procuration

Mandatory

ASSIGNEE

Hoffmann-La Roche Inc.

Newark, NJ

IDEC 13 2017

Place, Date

Signatures

George M. Gould Authorized Signatory

Legalization

The undersigned Notary Public of the Canton of Basel-Stadt (Switzerland), Dr. Christoph Nertz, herewith legalizes the overleaf signature of

F. Hoffmann-La Roche AG, a stock company with legal domicile in Basel (Switzerland), rendered by

Mister Antonio Natoli, citizen of and residing in Basel (Switzerland), and

Miss Petra Querfeld, German citizen, residing in Steinen (Germany),

both duly entitled to sign documents wherein property of the company is alienated.

Signers and signatures personally known.

B as et (Switzerland), this 7th (seventh) day of December 2017 (two thousand and seventeen).

(CNOTAR CONTRACTOR BASEL

to file

BR 1555/2017

CERTIFI	CATE OF ACKNOWLEDGMENT
State of New Jersey)) ss County of Essex)	
county, personally appeared Geo	refore me, Guadalupe Castro, Notary Public in and for said orge M. Gould, Authorized Signatory for Hoffmann Laimself as the signer to the attached document described as: No. P32891.
l certify under penalty of foregoing paragraph is true and c	perjury under the laws of the State of New Jersey that the correct.
Guadalupe Castro A notary public of New Jersey By Combussion Expires September 16, 2019	WITNESS by hand and official seal (Notary Public of New Jersey ID #: 2449928
: :: ::	

RECORDED: 12/18/2017

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PATENT REEL: 044424 FRAME: 0448