PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Matthew T. Burger	10/23/2009
Wooseok Han	10/23/2009
Jiong Lan	10/23/2009
Gisele Nishigushi	10/23/2009

RECEIVING PARTY DATA

Name:	Novartis AG
Street Address:	Lichstrasse 35
City:	Basel
State/Country:	SWITZERLAND
Postal Code:	4056

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12584158

CORRESPONDENCE DATA

Fax Number: (617)871-3392 (510) 923-2707 Phone:

nibr.maildata@novartis.com Email:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: Novartis Institutes for BioMedical Res Address Line 1: 220 Massachusetts Avenue, 2nd Floor

Address Line 2: **NIBR Patents**

Address Line 4: Emeryville, CALIFORNIA 02139

ATTORNEY DOCKET NUMBER: PAT052761-US-NP	
NAME OF SUBMITTER:	Lisa Nash

PATENT

REEL: 026968 FRAME: 0134

Total Attachments: 6	
source=assign#page1.tif	
source=assign#page2.tif	
source=assign#page3.tif	
source=assign#page4.tif	
source=assign#page5.tif	
source=assign#page6.tif	

ASSIGNMENT

For good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, we

Matthew T. BURGER	Citizen of USA	Novartis Vaccines and Diagnostics, Inc.
		4560 Horton Street
		Emeryville, CA 94608-2916
		US
Wooseok HAN	cilizen of South Kores	
Secure Action Control of the Control	plantain in popula invest	Novartis Vaccines and Diagnostics, Inc.
		4560 Horton Street
		Emeryville, CA 94608-2916
		us
Jiong LAN	citizen of China	Novartis Vaccines and Diagnostics, Inc.
		4560 Horton Street
		Emeryville, CA 94608-2916
		us
Gisele NISHIGUCHI	cilizen of United States of America	Novertis Vaccines and Diagnostics, Inc.
		4560 Horton Street
		Emeryville, CA 94508-2916
	v	US

do hereby self, assign and transfer to Novartis AG, a company organized under the laws of the Swiss Confederation, of Lichtstrasse 35, 4056 Basel, Switzerland, (hereinafter referred to as the "ASSIGNEE") and its successors, assigns and legal representatives, all of my right, title and interest for all countries of the world in and to (1) all of my inventions and discoveries described in the patent application(s) titled

KINASE INHIBITORS

and filed in the United States Patent and Trademark Office on Aug 31 , 20 09 and accorded Application Number 12/584,158 * and/or filed in the RO/EP on 31 August 2009 and accorded International Patent Application Number PCT/EP2009/061205*, (2) the patent application(s) identified in (1), (3) all national stages of any international patent application identified in (1), (4) all other patent applications in all countries and regions claiming the priority of the provisional or non-provisional patent application filed in the United States Patent and Trademark Office on 02 September 2008 and 15 July 2009 and accorded Applications Number 61/093,666 and Number 61/225,660, (5) for all patent applications, all rights of priority based upon the United States patent application identified in (4) in all countries and regions under the Paris Convention for the Protection of Industrial Property, the Inter-American Convention relating to Inventions, Patents, Designs, and Industrial Models and all other international agreements to which the United States now is or hereafter becomes a signatory and, if the United States patent application identified in (4) is a provisional patent application, under 35 USC 119(e) (including the right to file patent applications on said inventions and discoveries in the names of ASSIGNEE or their designees or in our names, at their election and in accordance with applicable law in all countries and regions), (6) all continuations and divisions of any United States patent application or international patent application designating the United States identified in (1), any national stages of any international application identified in (1) and any patent applications within the scope of (4) (including further continuations and divisions such as, but not limited to, continuations of continuations and continuations of divisions), ((2)-(4) and (6) hereinafter referred to collectively as "patent applications"), (7) all patents that are granted on any of said patent applications, (8) all registrations and confirmations of, and importation certificates based upon, one or more of said patents and applications for such registrations, confirmations and importation certificates and (9) all reissues, renewals and extensions of

Page 2

said patents, registrations, confirmations and importation certificates, reexamination certificates issued for said patents and suppliamentary protection certificates based upon said patents and applications for such reissues, renewals, extensions, reexamination certificates and supplementary protection certificates, the same to be held and enjoyed by said ASSIGNEE and their successors, assigns and legal representatives to the full ends of the terms for which said patents, registrations, confirmations, importation certificates, reexamination certificates, supplementary protection certificates, reissues, renewals and extensions may be granted, as fully and entirely as the same would have been held and enjoyed by us if this sale, assignment and transfer had not been made.

*We hereby authorize ASSIGNEE and their representatives to insert in this Assignment the filing date(s) and Application Number(s) of said patent application(s) when notified thereof.

And we hereby covenant and agree that we will, at any time, (i) upon the request, but at the expense, of ASSIGNEE or their successors, assigns or legal representatives execute and deliver all documents that may be necessary or desirable to perfect the title to the foregoing inventions and discoveries, patent applications, patents, registrations, confirmations, importation certificates, reissues, renewals, extensions, reexamination certificates, supplementary protection certificates and applications within the scope of (8) and (9) in ASSIGNEE or their successors, assigns or legal representatives, including the execution and procurement of all further documents evidencing this sale, assignment and transfer as may be necessary or desirable for recording the same in the patent office or other intellectual property office, agency or the like of any country or region, (ii) upon the request, but at the expense, of ASSIGNEE or their successors, assigns or legal representatives execute all additional patent applications within the scope of (3), (4) and (6) and all applications within the scope of (8) or (9) and (iii) make all rightful paths and declarations and do all lawful acts requisite for procuring the same or for aiding therein, without further compensation, but at the expense of ASSIGNEE or their successors, assigns or legal representatives.

This Assignment is effective as from the earliest priority date as stated above.

xecuted this 23 day of 10 , 2009
Matter Days Ls.
CKNOWLEDGEMENT
ate of
ounty of
thisday ofto me known and known by me to be the same person described
and who executed the foregoing Assignment and acknowledged that (s)he executed the same of his (her) in free will for the purpose set forth.
eal)
Mataro Dukis

Executed this 23 day of Outsber	. 20 <i>0</i>
WOOSEON HAN	S.
ACKNOWLEDGEMENT	
State of)	
County of	
to me	personally appeared before me ਸਾਹੂਆn and known by me to be the same person described
own free will for the purpose set forth.	d acknowledged that (s)he executed the same of his (her)
(Seal)	
	Notary Public
Executed this 2^2 day of $0d$,	20 <u>v</u>
	•
Jiong LAN	<u>,</u>
ACKNOWLEDGEMENT	
State of	
County of	
On this day of to the ke	ersonally appeared before me
in and who executed the foregoing Assignment and	own and known by me to be the same person described acknowledged that (s)he executed the same of his (her)
own see was for the purpose set forth.	
(Seal)	Notary Public

Executed this 3 day of Uctolar, 2009
And Alleliane Ls.
ACKNOM LEDGEMENT
State of
) s.s.: County of)
On this day of, 20, personally appeared before me
to me known and known by me to be the same person described n and who executed the foregoing Assignment and acknowledged that (s)he executed the same of his (her) will for the purpose set forth.
Seal)
Notary Public

Page 5

ACCEPTANCE OF ASSIGNMENT

With reference to the Assignment to NOVARTIS AG of an invention entitled "KINASE INHIBITORS" signed by Matthew T. BURGER, Wooseck HAN, Jiong LAN, Gisele NISHIGUCHI; this will certify that NOVARTIS AG accepts such Assignment.

By:

Name:

Function:

Date:

NOVARTIS AG

2 MATERIA SENTE S

Patent Case PAT052761 International Patent Application No. PCT/EP2009/061265, filed 31 August 2009 U.S. Patent Application No. 61/093,666, filed 02 September 2008 U.S. Patent Application No. 61/225,660, files 15 July 2009 Entitled: Kinase Inhibitors Assignment to Novartis AC

ACKNOWLEDGMENT

State of California

County of Alameda

On October 23, 2009

Karen A. Zielen, Notary Public, personally appeared before me,

Matthew T. BURGER: Wooseok HAN, Jiong LAN; Gisele NISHIGUCHI 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.



Signature: Acces Go Ziela

PATENT REEL: 026968 FRAME: 0141

RECORDED: 09/26/2011