#### 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 Burger	03/17/2009
Jiong Lan	03/17/2009
Mika Lindvall	03/17/2009
Gisele Nishiguchi	03/17/2009
Michelle Tetalman	03/17/2009

#### RECEIVING PARTY DATA

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

#### PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	12380458	

## **CORRESPONDENCE DATA**

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

Email: lisa.nash@novartis.com

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: Cambridge, MASSACHUSETTS 02139

ATTORNEY DOCKET NUMBER:	PAT052586-US-NP	
NAME OF SUBMITTER:	Lisa Nash	PATENT

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#### **ASSIGNMENT**

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

Matthew BURGER	citizen of United States Of America	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
Mika LINDVALL	citizen of Finland	Novartis Vaccines and Diagnostics, Inc. 4560 Horton Street Emeryville, CA 94608-2916 US
Gisele NISHIGUCHI	citizen of United States Of America	Novartis Vaccines and Diagnostics, Inc. 4560 Horton Street Emeryville, CA 94608-2916 US
Michelle TETALMAN	citizen of United States Of America	Novartis Vaccines and Diagnostics, Inc. 4560 Horton Street Emeryville, CA 94608-2916 US

do hereby sell, 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

### PIM KINASE INHIBITORS AND METHODS OF THEIR USE

and filed in the United States Pa	atent and Trademark Office of	on, 20_	_ and accorded Application	1
Number	and/or filed in the RO/	on	_, 20 and accorded	
International Patent Application				t
in (1), (3) all national stages of a				
applications in all countries and	regions claiming the priority	of the provisional or	non-provisional patent	
application filed in the United St	ates Patent and Trademark	Office on MARCH 03	3, 2008 and accorded	
Application Number 61/033359,				
States patent application identifi				
Protection of Industrial Property				d
Industrial Models and all other in				
becomes a signatory and, if the				
application, under 35 USC 119(				
discoveries in the names of AS				
accordance with applicable law				d
States patent application or interany national stages of any interscope of (4) (including further or	national application identified	d in (1) and any pate	nt applications within the	

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 said patents, registrations, confirmations and importation certificates, reexamination certificates issued for said patents and supplementary 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 oaths 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.

The obligation to sell, assign and transfer all of my right, title and interest in the inventions and discoveries herein in identified existed for each of the undersigned on or before <u>February 17, 2009</u>.

Executed this	day of <b>M</b>	<u>arch</u> , 20 <u>09</u>			
Matthe Ge	Un	L.S.			
Matthew Burger	7				
ACKNOWLEDGE	MENT	,	_		
State of	) ) s.	s.:			
County of	)				
On this	day of	<del></del>	ally appeared be	efore me e to be the same perso	on describe
	ted the foregoing As ne purpose set forth.	signment and ackno	owledged that (s	)he executed the same	of his (her)
(Seal)					
				Notary Public	

Executed this day of March_, 2009
L.S.
Jiong Lan
ACKNOWLEDGEMENT
State of ) .
) s.s.: )
On this day of, 20, personally appeared before me
to me known and known by me to be the same person described in and who executed the foregoing Assignment and acknowledged that (s)he executed the same of his (her) own free will for the purpose set forth.
(Seal)
Notary Public
Executed this
ACKNOWLEDGEMENT
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
in and who executed the foregoing Assignment and acknowledged that (s)he executed the same of his (her) own free will for the purpose set forth.
(Seal)
Notary Public

Executed this day of March, 2009	
Josephill 21.	
Gisele Nishigucki	
ACKNOWLEDGEMENT	
State of ) ) s.s.:	
County of )	
On this day of, 20, person	ally appeared before me
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(Seal)	
	Notary Public
Executed this day of March, 20 M	
Melle Fu	
Michelle Tetalman	
ACKNOWLEDGEMENT	
State of)	
County of ) s.s.:	
On this day of, 20, pe	ersonally appeared before me
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/O. D.	
(Seal)	
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_	Notary Public

# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California	)
County of Alarneda	}
On MAYCK 17, 2009 before me, Y	LAVA N. Shure, NOTAVY FUBLIC, Here Insert Name and Tilye of the Officer
	guchi, Tiong Lan Watthew Burger,
Michelle Tetalman and Mi	Ka Lindvall
KARA N. SHURE Commission # 1831004 Notary Public - California Alameda County Mr Comm. Emires Jee 13, 2013	who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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.
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## **ACCEPTANCE OF ASSIGNMENT**

With reference to the Assignment to **NOVARTIS AG** of an invention entitled "PIM KINASE INHIBITORS AND METHODS OF THEIR USE" signed by Matthew Burger, Jiong Lan, Mika Lindvall, Gisele Nishiguchi, and Michelle Tetalman; this will certify that **NOVARTIS AG** accepts such Assignment.

	O-Mari	NOVARTIS AG	$\langle m_{\alpha} \rangle$
Зу :	4. William		(XXXX)
Name :	Reto Halbeisen		Sabine Zeller
unction :	Authorized Signatories		
Date:	19.03.2029		

#### **Attestation**

I, the undersigned Civil Law Notary of Basel, Switzerland, Dr. Thomas Gelzer, certify herewith that the above signatures are the genuine signatures of **Mr. Reto Halbeisen**, citizen of Wahlen/BL, Switzerland, residing in Laufen/BL, Switzerland, and **Ms. Sabine Zeller**, citizen of Ormalingen/BL, Switzerland, residing in Gelterkinden/BL, Switzerland, both acting for **Novartis AG**, in Basel, Switzerland, both as proxy holders, both with spint signature.

The suthenticity of the signatures was established by means of comparison.

BASEL, Switzerland, this 15th (fifteenth) day of April 2009 (two thousand and nine)

Dr. Th. Gelzer

T.M. Wa

Leg.Prot.Nr. 189/2009

#### FOR CERTIFIED COPY

I, the undersigned Civil Law Notary of Basel, Switzerland, Dr. Thomas Gelzer, hereby certify that the document attached heretofore is a true and authentic photocopy of the original.

BASEL, Switzerland, this 15<sup>th</sup> (fifteenth) day of April 2009 (two thousand and nine)

Dr. Th. Gelzer

Leg.Prot.Nr. 202 /2009

PATENT REEL: 027905 FRAME: 0194

RECORDED: 03/21/2012