

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Matthew Burger</td> <td>03/17/2009</td> </tr> <tr> <td>Jiong Lan</td> <td>03/17/2009</td> </tr> <tr> <td>Mika Lindvall</td> <td>03/17/2009</td> </tr> <tr> <td>Gisele Nishiguchi</td> <td>03/17/2009</td> </tr> <tr> <td>Michelle Tetelman</td> <td>03/17/2009</td> </tr> </tbody> </table>		Name	Execution Date	Matthew Burger	03/17/2009	Jiong Lan	03/17/2009	Mika Lindvall	03/17/2009	Gisele Nishiguchi	03/17/2009	Michelle Tetelman	03/17/2009
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Michelle Tetelman	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													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12380458</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12380458								
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Application Number:	12380458												
CORRESPONDENCE DATA													
Fax Number:	(617)871-3392												
Phone:	(510) 923-2707												
Email:	lisa.nash@novartis.com												
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
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												

CH \$40.00 12380458

Total Attachments: 8

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(joint)

Patent Case 52586

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 Patent and Trademark Office on _____, 20__ and accorded Application Number _____* and/or filed in the RO/ _____ on _____, 20__ and accorded International Patent Application Number PCT/ _____*, (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 MARCH 03, 2008 and accorded Application Number 61/033359, (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

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of Alameda }

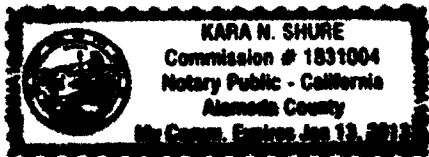
On MARCH 17, 2009 before me, KARA N. SHURE, Notary Public
Date Here Insert Name and Title of the Officer

personally appeared Giselle Nishiguchi, Jiong Lan, Matthew Burger,
Names of Signer(s)
Michelle Tetelman and Mika Lindvall

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.

WITNESS my hand and official seal.



Place Notary Seal Above

Signature [Handwritten Signature]
Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: _____

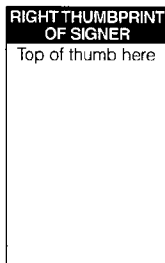
Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

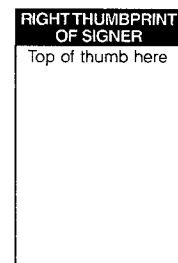
- Individual
- Corporate Officer — Title(s): _____
- Partner — Limited General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: _____



Signer Is Representing: _____

Signer's Name: _____

- Individual
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- Partner — Limited General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: _____

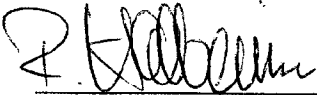
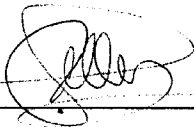


Signer Is Representing: _____

Case No. 52586

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 Tetelman; this will certify that **NOVARTIS AG** accepts such Assignment.

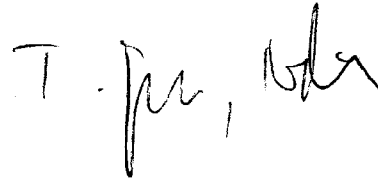
		NOVARTIS AG	
By :	_____		_____
Name :	<u>Reto Halbeisen</u>		<u>Sabine Zeller</u>
Function :	<u>Authorized Signatories</u>		
Date:	<u>19.03.2009</u>		

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 joint signature.

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

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



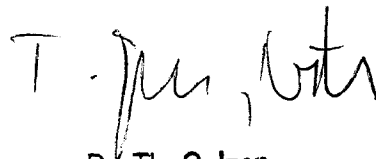
Dr. Th. Gelzer
Notar

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 15th (fifteenth) day of April 2009 (two thousand and nine)



Dr. Th. Gelzer
Notar

Leg. Prot. Nr. 202 /2009