

PATENT ASSIGNMENT

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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>Axel Heinrich</td> <td>12/22/2009</td> </tr> <tr> <td>Halina Heidrich</td> <td>12/22/2009</td> </tr> <tr> <td>Alexander Bayer</td> <td>12/22/2009</td> </tr> <tr> <td>Karsten Straube</td> <td>01/11/2010</td> </tr> <tr> <td>Peter Hagmann</td> <td>01/13/2010</td> </tr> <tr> <td>Stephan Pirl</td> <td>12/22/2009</td> </tr> <tr> <td>Jan Bernard</td> <td>12/22/2009</td> </tr> <tr> <td>Matthias Braun</td> <td>12/22/2009</td> </tr> </tbody> </table>		Name	Execution Date	Axel Heinrich	12/22/2009	Halina Heidrich	12/22/2009	Alexander Bayer	12/22/2009	Karsten Straube	01/11/2010	Peter Hagmann	01/13/2010	Stephan Pirl	12/22/2009	Jan Bernard	12/22/2009	Matthias Braun	12/22/2009
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Matthias Braun	12/22/2009																		
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>12637778</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12637778														
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Application Number:	12637778																		
CORRESPONDENCE DATA																			
Fax Number:	(678)415-3068																		
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																			
Phone:	678-415-3334																		
Email:	martha-j.martin@cibavision.com																		
Correspondent Name:	Martha Martin																		
Address Line 1:	11460 Johns Creek Parkway																		
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ATTORNEY DOCKET NUMBER:	PAT052817-US-NP																		

CH \$40.00 12637778

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PATENT
REEL: 024645 FRAME: 0457

NAME OF SUBMITTER:

Jian Zhou

Total Attachments: 3

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ASSIGNMENT

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

Axel Heinrich residing at Beethovenstrasse 53b, 63743 Aschaffenburg, Germany,
Halina Heidrich, residing at Krotzenburger Strasse 21, 63796 Kahl am Main, Germany,
Alexander Bayer, residing at Am Wingert 8, 63843 Niedernberg, Germany,
Karsten Straube, residing at Neumühlenweg 30, 06886 Lutherstadt Wittenberg, Germany,
Peter Hagmann, residing at Justin-Kirchgaessner-Strasse 2, 63906 Erlenbach am Main, Germany,
Stephan Pirl, residing at Hardtring 36, 63785 Obernburg, Germany,
Jan Bernard, residing at Schwanengasse 6, 63843 Niedernberg, Germany, and
Matthias Braun, residing at Hauptstrasse 123, 63840 Hausen, Germany,

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

MOLD RELEASE SHEET

and filed in the United States Patent and Trademark Office on December 15, 2009, and accorded Application Number 12/637,778* and/or filed in the RO/EP on December 15, 2009, and accorded International Patent Application Number PCT/EP2009/067199*, (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 European patent application filed in the European Patent Office on December 18, 2008, and accorded Application Number 08172097.1*, (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 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.

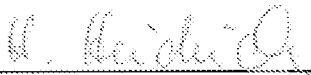
This Assignment is effective as from the earliest priority date as stated above.

Executed this 22 day of December, 2009.



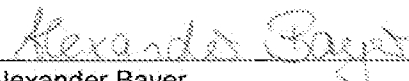
Axel Heinrich L.S.

Executed this 22 day of December, 2009.



Halina Heidrich L.S.

Executed this 22 day of December, 2009.



Alexander Bayer L.S.

Executed this 11 day of JANUARY, ~~2009~~ 2010

Karsten Straube L.S.
Karsten Straube

Executed this 13 day of JANUARY, ~~2009~~ 2010

Peter Haggmann L.S.
Peter Haggmann

Executed this 12 day of December, 2009.

Stephan Pirl L.S.
Stephan Pirl

Executed this 22 day of December, 2009.

Jan Bernard L.S.
Jan Bernard

Executed this 22 day of December, 2009.

Matthias Braun L.S.
Matthias Braun