502983802 09/19/2014

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3030401

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
MICHAEL FOULKES	01/16/2014
GIANCARLO FRANCESE	12/19/2013
DOMINIQUE GRIMLER	11/21/2013
ERNST KUESTERS	11/22/2013
KURT LAUMEN	11/21/2013
THOMAS RUCH	11/25/2013

#### **RECEIVING PARTY DATA**

Name:	NOVARTIS PHARMA AG
Street Address:	POSTFACH
City:	BASEL
State/Country:	SWITZERLAND
Postal Code:	4002

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14384233

#### **CORRESPONDENCE DATA**

Fax Number:

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:** 8627780705

**Email:** cindy.klepacky@novartis.com

Correspondent Name: CINDY KLEPACKY
Address Line 1: ONE HEALTH PLAZA

Address Line 4: EAST HANOVER, NEW JERSEY 07936

NAME OF SUBMITTER:	CINDY KLEPACKY
SIGNATURE:	/Cindy Klepacky/
DATE SIGNED:	09/19/2014

**Total Attachments: 42** 

source=Inventors\_NovartisPharma\_AG#page1.tif source=Inventors\_NovartisPharma\_AG#page2.tif

source=Inventors NovartisPharma AG#page3.tif source=Inventors\_NovartisPharma\_AG#page4.tif source=Inventors NovartisPharma AG#page5.tif source=Inventors NovartisPharma AG#page6.tif source=Inventors NovartisPharma AG#page7.tif source=Inventors NovartisPharma AG#page8.tif source=Inventors NovartisPharma AG#page9.tif source=Inventors NovartisPharma AG#page10.tif source=Inventors\_NovartisPharma\_AG#page11.tif source=Inventors NovartisPharma AG#page12.tif source=Inventors NovartisPharma AG#page13.tif source=Inventors NovartisPharma AG#page14.tif source=Inventors NovartisPharma AG#page15.tif source=Inventors NovartisPharma AG#page16.tif source=Inventors NovartisPharma AG#page17.tif source=Inventors\_NovartisPharma\_AG#page18.tif source=Inventors\_NovartisPharma\_AG#page19.tif source=Inventors NovartisPharma AG#page20.tif source=Inventors NovartisPharma AG#page21.tif source=Inventors NovartisPharma AG#page22.tif source=Inventors NovartisPharma AG#page23.tif source=Inventors NovartisPharma AG#page24.tif source=Inventors NovartisPharma AG#page25.tif source=Inventors NovartisPharma AG#page26.tif source=Inventors NovartisPharma AG#page27.tif source=Inventors\_NovartisPharma\_AG#page28.tif source=Inventors NovartisPharma AG#page29.tif source=Inventors NovartisPharma AG#page30.tif source=Inventors NovartisPharma AG#page31.tif source=Inventors NovartisPharma AG#page32.tif source=Inventors NovartisPharma AG#page33.tif source=Inventors NovartisPharma AG#page34.tif source=Inventors NovartisPharma AG#page35.tif source=Inventors\_NovartisPharma\_AG#page36.tif source=Inventors NovartisPharma AG#page37.tif source=Inventors NovartisPharma AG#page38.tif source=Inventors\_NovartisPharma\_AG#page39.tif source=Inventors\_NovartisPharma\_AG#page40.tif source=Inventors NovartisPharma AG#page41.tif source=Inventors NovartisPharma AG#page42.tif

This Assignment Agreement is entered into by and between

Michael FOULKES citizen of United Kingdom

c/o Novartis Pharma AG

Postfach 4002 Basel

SWITZERLAND

Giancarlo FRANCESE

citizen of Italy

c/o Novartis Pharma AG

Postfach

4002 Basel

**SWITZERLAND** 

Dominique GRIMLER

citizen of France

c/o Novartis Pharma AG

Postfach

4002 Basel

**SWITZERLAND** 

Ernst KUESTERS

citizen of Germany

c/o Novartis Pharma AG

Postfach

4002 Basel

**SWITZERLAND** 

Kurt LAUMEN

citizen of Germany

c/o Novartis Pharma AG

Postfach

4002 Basel

**SWITZERLAND** 

Thomas RUCH

citizen of Germany

c/o Novartis Pharma AG

Postfach

4002 Basel

**SWITZERLAND** 

(hereinafter "Inventor(s)"), and Novartis Pharma AG, Postfach, 4002 Basel, Switzerland, a company organized under the laws of Switzerland.

For good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, I/We the Inventor(s) do hereby confirm and agree that, by operation of law and/or contract, and/or by the fulfillment of any and all legal requirements regarding the transfer of employee inventions in my/our country of employment, Novartis Pharma AG is the true and

- If, however, under the laws of any country, I/We the Inventor(s) nevertheless have any ownership right, title or interest in any of the items described herein (which I/We do not believe to be the case and make no claim in or to), for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I/We the Inventor(s) do hereby sell, assign and transfer to Novartis Pharma AG and its successors, assigns and legal representatives (hereinafter referred to collectively as the "ASSIGNEE"), all of our right, title and interest for all countries of the world in and to
- (1) all of our inventions and discoveries described in the provisional or non-provisional patent, utility model, or other application(s) entitled

### CHEMICAL PROCESS FOR PREPARING SPIROINDOLONES AND INTERMEDIATES THEREOF

and filed at the State Intellectual Property Office of the People's Republic of China as a PCT International Application on 23 March 2012 and accorded Application Number PCT/CN2012/000359 and/or filed as a PCT International Application on 22 March 2013 and accorded International Patent Application Number PCT/EP2013/056170.

- (2) the application(s) identified in paragraph (1), and all applications claiming priority from such application(s), directly or indirectly, including all national stages of any international patent application(s);
- (3) the right to file patent, utility model, or other applications on any invention or discovery disclosed in any of the applications identified in paragraphs (1) and (2), including the right to file such applications on said inventions and discoveries in the names of ASSIGNEE or their designees or in our/my name, at ASSIGNEE's election and in accordance with applicable law in all countries and regions; and the right to file all patent, utility model, or other applications in all countries and regions claiming the priority of any of the provisional or non-provisional application(s) identified in paragraphs (1) or (2);
- (4) all rights to claim priority from any of the applications referred to in paragraphs (1), (2), and (3) or from any application from which any of the applications referred to in paragraphs (1), (2) and (3) claim priority in all countries and regions under the Paris Convention for the Protection of Industrial Property, the WTO GATT TRIPS Agreement, 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 is a provisional patent application, under 35 USC 119(e);
- (5) all continuations, continuations-in-part, and divisionals of any United States patent application(s) or international patent application(s) designating the United States, any national stages of any international application(s), and any other patent application(s) described in paragraphs (1) through (4) hereof, including further continuations, continuations-in-part, and

divisionals such as, but not limited to, continuations of continuations and continuations of divisionals;

- (6) all patents, utility models, or other grants that issue from any of the applications referred to herein and all rights and remedies associated therewith including the right to sue for and recover past damages and to recover under 35 U.S.C. § 154 (d) or any other law permitting remedies for infringement prior to issuance of the patent;
- (7) all registrations and confirmations of, and importation certificates based upon, one or more of said patents, utility models, or other grants, and applications for such registrations, confirmations and importation certificates and;
- (8) all reissues, renewals and extensions of said patents, utility models, 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 to the full ends of the terms for which said patents, utility models, 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 me/us if this sale, assignment and transfer had not been made.

I/We the Inventor(s) hereby authorize ASSIGNEE and their representatives to insert in paragraph (1) of this Assignment the filing date(s) and Application Number(s) of said patent, utility model, or other application(s) when notified thereof.

I/We the Inventor(s) hereby covenant and agree that I/We will, at any time, (i) upon the request, but at the expense, of ASSIGNEE, execute and deliver all documents that may be necessary or desirable to perfect the title to the foregoing inventions and discoveries, applications, patents, utility models, registrations, confirmations, importation certificates, reissues, renewals, extensions, reexamination certificates, supplementary protection certificates, and applications within the scope of (7) and (8), in ASSIGNEE, 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 execute all additional applications within the scope of paragraphs (1) through (6) and all applications within the scope of (7) or (8), 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.

Should any provision of this Assignment be deemed invalid or unenforceable by reason of any law, statute, regulation or judgment, existing now or in the future in any jurisdiction, such provision shall be modified in such jurisdiction so as to nearly approximate the intent of the Parties. If this cannot be done, such invalid or unenforceable provision shall be divisible and be deleted in any such jurisdiction, and all other provisions shall remain in full force and effect.

This Assignment shall be governed by the laws of Switzerland.

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

Executed this 16 day of Januar	<u>4,2</u> 913. 2014
M. Factor	 L.S.
Michael FOULKES	,
Witness Print Name: Thomas Reinz	
<i>Moo</i> .	
Witness Print Name: Karl Schaee	
Executed this day of	2012
Giancarlo FRANCESE	L.S.:
Witness	***************************************
Print Name:	
Witness	
Print Name:	

Executed this	day of	, 2013.
		L.S.
Dominique GRI	MLER	
Witness		
Print Name:		
Witness Print Name:		
s title spession.		
Executed this	day of	, 2013.
Ernst KUESTE	RS	L.S.
646 MAY 8 64 64 64 64 64 64 64 64 64 64 64 64 64	• • • • • • • • • • • • • • • • • • • •	
Witness		***************************************
Print Name:		
Witness		
Print Name:		

Executed this	day of	, 2013.
	*	L.S.
Kurt LAUMEN	Í	
Witness		
Print Name:		
Witness		
Prînt Name:		
Executed this	day of	, 2013.
Thomas RUCH		L.S.
Witness		
Print Name:		
Witness		
Print Name:		

Executed this 7 day of 744	\$	
Acceptance of Company Novartis Pharma AG BY:	L.S.	James Stuttle Authorized signatory
BY: OF Pat Dong	LS.	Elkæ Blab-Rotzinger Authorized signatory
	ed signato	ory
Print Name: Songa Bosch	1.5	lorize <b>d signatory</b> Tanja Vogel
Witness Print Name:		

This Assignment Agreement is entered into by and between

Michael FOULKES

citizen of United Kingdom

c/o Novartis Pharma AG

Postfach

4002 Basel

**SWITZERLAND** 

Giancarlo FRANCESE

citizen of Italy

c/o Novartis Pharma AG

Postfach

4002 Basel

SWITZERLAND

Dominique GRIMLER

citizen of France

c/o Novartis Pharma AG

Postfach

4002 Basel

SWITZERLAND

Ernst KUESTERS

citizen of Germany

c/o Novartis Pharma AG

Postfach

4002 Basel

**SWITZERLAND** 

Kurt LAUMEN

citizen of Germany

c/o Novartis Pharma AG

Postfach

4002 Basel

**SWITZERLAND** 

Thomas RUCH

citizen of Croatia

c/o Novartis Pharma AG

Postfach

4002 Basel

**SWITZERLAND** 

(hereinafter "Inventor(s)"), and Novartis Pharma AG, Postfach, 4002 Basel, Switzerland, a company organized under the laws of Switzerland.

For good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, I/We the Inventor(s) do hereby confirm and agree that, by operation of law and/or contract, and/or by the fulfillment of any and all legal requirements regarding the transfer of employee inventions in my/our country of employment, Novartis Pharma AG is the true and

If, however, under the laws of any country, I/We the Inventor(s) nevertheless have any ownership right, title or interest in any of the items described herein (which I/We do not believe to be the case and make no claim in or to), for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I/We the Inventor(s) do hereby sell, assign and transfer to Novartis Pharma AG and its successors, assigns and legal representatives (hereinafter referred to collectively as the "ASSIGNEE"), all of our right, title and interest for all countries of the world in and to

(1) all of our inventions and discoveries described in the provisional or non-provisional patent, utility model, or other application(s) entitled

## CHEMICAL PROCESS FOR PREPARING SPIROINDOLONES AND INTERMEDIATES THEREOF

and filed at the State Intellectual Property Office of the People's Republic of China as a PCT International Application on 23 March 2012 and accorded Application Number PCT/CN2012/000359 and/or filed as a PCT International Application on 22 March 2013 and accorded International Patent Application Number PCT/EP2013/056170.

- (2) the application(s) identified in paragraph (1), and all applications claiming priority from such application(s), directly or indirectly, including all national stages of any international patent application(s);
- (3) the right to file patent, utility model, or other applications on any invention or discovery disclosed in any of the applications identified in paragraphs (1) and (2), including the right to file such applications on said inventions and discoveries in the names of ASSIGNEE or their designees or in our/my name, at ASSIGNEE's election and in accordance with applicable law in all countries and regions; and the right to file all patent, utility model, or other applications in all countries and regions claiming the priority of any of the provisional or non-provisional application(s) identified in paragraphs (1) or (2);
- (4) all rights to claim priority from any of the applications referred to in paragraphs (1), (2), and (3) or from any application from which any of the applications referred to in paragraphs (1), (2) and (3) claim priority in all countries and regions under the Paris Convention for the Protection of Industrial Property, the WTO GATT TRIPS Agreement, 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 is a provisional patent application, under 35 USC 119(e);
- (5) all continuations, continuations-in-part, and divisionals of any United States patent application(s) or international patent application(s) designating the United States, any national stages of any international application(s), and any other patent application(s) described in paragraphs (1) through (4) hereof, including further continuations, continuations-in-part, and

divisionals such as, but not limited to, continuations of continuations and continuations of divisionals;

- (6) all patents, utility models, or other grants that issue from any of the applications referred to herein and all rights and remedies associated therewith including the right to sue for and recover past damages and to recover under 35 U.S.C. § 154 (d) or any other law permitting remedies for infringement prior to issuance of the patent;
- (7) all registrations and confirmations of, and importation certificates based upon, one or more of said patents, utility models, or other grants, and applications for such registrations, confirmations and importation certificates and;
- (8) all reissues, renewals and extensions of said patents, utility models, 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 to the full ends of the terms for which said patents, utility models, 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 me/us if this sale, assignment and transfer had not been made.

I/We the Inventor(s) hereby authorize ASSIGNEE and their representatives to insert in paragraph (1) of this Assignment the filing date(s) and Application Number(s) of said patent, utility model, or other application(s) when notified thereof.

I/We the Inventor(s) hereby covenant and agree that I/We will, at any time, (i) upon the request, but at the expense, of ASSIGNEE, execute and deliver all documents that may be necessary or desirable to perfect the title to the foregoing inventions and discoveries, applications, patents, utility models, registrations, confirmations, importation certificates, reissues, renewals, extensions, reexamination certificates, supplementary protection certificates, and applications within the scope of (7) and (8), in ASSIGNEE, 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 execute all additional applications within the scope of paragraphs (1) through (6) and all applications within the scope of (7) or (8), 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.

Should any provision of this Assignment be deemed invalid or unenforceable by reason of any law, statute, regulation or judgment, existing now or in the future in any jurisdiction, such provision shall be modified in such jurisdiction so as to nearly approximate the intent of the Parties. If this cannot be done, such invalid or unenforceable provision shall be divisible and be deleted in any such jurisdiction, and all other provisions shall remain in full force and effect.

This Assignment shall be governed by the laws of Switzerland.

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

Executed this day of	, 2013.
	L.S.
Michael FOULKES	
Witness Print Name:	
Witness Print Name:	
Executed this 19 day of Necessia.	<u>.</u> , 2013.
Commence of the contract of th	L.S.
Giancarlo FRANCESE	
Witness Print Name: PAUL ALIU	
Witness Print Name: PAUL ALIU  Augustus Witness Print Name:	14.
Witness	amenimum.
Print Name:	

Executed this	day of	, 2013.
		L.S.
Dominique GRIML	ER	
Witness		
Print Name:		
Witness		
Print Name:		
Executed this	day of	, 2013.
		L.Ś.
Ernst KUESTERS		
Witness		
Print Name:		
Witness		
Print Name:		

Executed this day of	, 2013.
	2.1
Kurt LAUMEN	ACT V CO.
Witness	
Print Name:	
Witness	
Print Name:	
Executed thisday of	, 2013.
Thomas RUCH	_L.S.
IROMAN KULI	
Witness Print Name:	
A COME COMMON	
Witness	
Print Name:	

Executed this 7 day of 1444 2	014	
Acceptance of Company Novartis Pharma AG  BY:	L.S.	James Stuitle Authorized signatory
84: <u>02.30/06/00/06/0</u>	LS.	Elke Blab-Rotzinger Authorized signatory
SOSS Witness Print Name: Sonya Bosch	Authorize	d signatory
Print Name: 30-15-	3	ized signatory anja Vogel
Witness Print Name:		

This Assignment Agreement is entered into by and between

Michael FOULKES citizen of United Kingdom c/o Novartis Pharma AG

Postfach

4002 Basel

SWITZERLAND

Giancarlo FRANCESE citizen of Italy c/o Novartis Pharma AG

Postfach 4002 Basel

**SWITZERLAND** 

Dominique GRIMLER citizen of France c/o Novartis Pharma AG

Postfach 4002 Basel

**SWITZERLAND** 

Ernst KUESTERS citizen of Germany c/o Novartis Pharma AG

Postfach 4002 Basel

SWITZERLAND

Kurt LAUMEN citizen of Germany c/o Novartis Pharma AG

Postfach 4002 Basel

**SWITZERLAND** 

Thomas RUCH citizen of Germany c/o Novartis Pharma AG

Postfach

4002 Basel

**SWITZERLAND** 

(hereinafter "Inventor(s)"), and Novartis Pharma AG, Postfach, 4002 Basel, Switzerland, a company organized under the laws of Switzerland.

For good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, I/We the Inventor(s) do hereby confirm and agree that, by operation of law and/or contract, and/or by the fulfillment of any and all legal requirements regarding the transfer of employee inventions in my/our country of employment. Novartis Pharma AG is the true and

If, however, under the laws of any country, I/We the Inventor(s) nevertheless have any ownership right, title or interest in any of the items described herein (which I/We do not believe to be the case and make no claim in or to), for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I/We the Inventor(s) do hereby sell, assign and transfer to Novartis Pharma AG and its successors, assigns and legal representatives (hereinafter referred to collectively as the "ASSIGNEE"), all of our right, title and interest for all countries of the world in and to

 all of our inventions and discoveries described in the provisional or nonprovisional patent, utility model, or other application(s) entitled

## CHEMICAL PROCESS FOR PREPARING SPIROINDOLONES AND INTERMEDIATES THEREOF

and filed at the State Intellectual Property Office of the People's Republic of China as a PCT International Application on 23 March 2012 and accorded Application Number PCT/CN2012/000359 and/or filed as a PCT International Application on 22 March 2013 and accorded International Patent Application Number PCT/EP2013/056170.

- (2) the application(s) identified in paragraph (1), and all applications claiming priority from such application(s), directly or indirectly, including all national stages of any international patent application(s);
- (3) the right to file patent, utility model, or other applications on any invention or discovery disclosed in any of the applications identified in paragraphs (1) and (2), including the right to file such applications on said inventions and discoveries in the names of ASSIGNEE or their designees or in our/my name, at ASSIGNEE's election and in accordance with applicable law in all countries and regions; and the right to file all patent, utility model, or other applications in all countries and regions claiming the priority of any of the provisional or non-provisional application(s) identified in paragraphs (1) or (2);
- (4) all rights to claim priority from any of the applications referred to in paragraphs (1), (2), and (3) or from any application from which any of the applications referred to in paragraphs (1), (2) and (3) claim priority in all countries and regions under the Paris Convention for the Protection of Industrial Property, the WTO GATT TRIPS Agreement, 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 is a provisional patent application, under 35 USC 119(e);
- (5) all continuations, continuations-in-part, and divisionals of any United States patent application(s) or international patent application(s) designating the United States, any national stages of any international application(s), and any other patent application(s) described in paragraphs (1) through (4) hereof, including further continuations, continuations-in-part, and

divisionals such as, but not limited to, continuations of continuations and continuations of divisionals;

- (6) all patents, utility models, or other grants that issue from any of the applications referred to herein and all rights and remedies associated therewith including the right to sue for and recover past damages and to recover under 35 U.S.C. § 154 (d) or any other law permitting remedies for infringement prior to issuance of the patent;
- (7) all registrations and confirmations of, and importation certificates based upon, one or more of said patents, utility models, or other grants, and applications for such registrations, confirmations and importation certificates and;
- (8) all reissues, renewals and extensions of said patents, utility models, 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 to the full ends of the terms for which said patents, utility models, 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 me/us if this sale, assignment and transfer had not been made.

I/We the Inventor(s) hereby authorize ASSIGNEE and their representatives to insert in paragraph (1) of this Assignment the filing date(s) and Application Number(s) of said patent, utility model, or other application(s) when notified thereof.

I/We the Inventor(s) hereby covenant and agree that I/We will, at any time, (i) upon the request, but at the expense, of ASSIGNEE, execute and deliver all documents that may be necessary or desirable to perfect the title to the foregoing inventions and discoveries, applications, patents, utility models, registrations, confirmations, importation certificates, reissues, renewals, extensions, reexamination certificates, supplementary protection certificates, and applications within the scope of (7) and (8), in ASSIGNEE, 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 execute all additional applications within the scope of paragraphs (1) through (6) and all applications within the scope of (7) or (8), 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.

Should any provision of this Assignment be deemed invalid or unenforceable by reason of any law, statute, regulation or judgment, existing now or in the future in any jurisdiction, such provision shall be modified in such jurisdiction so as to nearly approximate the intent of the Parties. If this cannot be done, such invalid or unenforceable provision shall be divisible and be deleted in any such jurisdiction, and all other provisions shall remain in full force and effect.

This Assignment shall be governed by the laws of Switzerland.

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

Executed this day of	_, 2013.
	L.S.
Michael FOULKES	*****
Witness	
Print Name:	
Witness	<del></del>
Print Name:	
Executed this day of	_, 2013.
7/4 A \$200 A \$20	L.S.
Giancarlo FRANCESE	
Witness	<del>)</del>
Print Name:	
Witness	
Print Nama:	

Executed this \iint day of 📙 🕬 😘 👢	, 2013,
<u> </u>	L.S.
Dominique GRIMLER	
Witness Print Name: 6TEFRNE KNOSLOCH	
Witness Print Name: Hangy Roads	
Executed thisday of	2013
Ernst KUESTERS	
Witness	
Print Name:	
Witness	

Print Name:

Executed thisd	lay of,	2013.
		L.S.
Kert LAUMEN		•
Witness		
Print Name:		
Witness		
Print Name:		
Executed this d	lay of	, 2013.
		L.S.
Thomas RUCH		
Witness	· · · · · · · · · · · · · · · · · · ·	
Print Name:		
W7. 200		
Witness		
Print Name:		

Executed this 7 day of 1444	,2014	
Acceptance of Company Novartis Pharma AG		
BY: J	US.	James Stuttle Authorized signatory
BY: ERLANDOR	I.S.	Elke Blab-Rotzinger Authorized signatory
STOSE Witness	Authorized signator	av.
Print Name: Songe Bosch	finning.	
	Authe	orized <b>signatory</b> Tanja Vogel
Witness Print Name:		

This Assignment Agreement is entered into by and between

Michael FOULKES

citizen of United Kingdom

c/o Novartis Pharma AG

Postfach

4002 Basel SWITZERLAND

Giancarlo FRANCESE

citizen of Italy

c/o Novartis Pharma AG

Postfach

4002 Basel

**SWITZERLAND** 

Dominique GRIMLER

citizen of France

c/o Novartis Pharma AG

Postfach

4002 Basel

**SWITZERLAND** 

Ernst KUESTERS

citizen of Germany

c/o Novartis Pharma AG

Postfach

4002 Basel

SWITZERLAND

Kurt LAUMEN

citizen of Germany

c/o Novartis Pharma AG

Postfach

4002 Basel

SWITZERLAND

Thomas RUCH

citizen of Germany

c/o Novartis Pharma AG

Postfach.

4002 Basel

**SWITZERLAND** 

(hereinafter "Inventor(s)"), and Novartis Pharma AG, Postfach, 4002 Basel, Switzerland, a company organized under the laws of Switzerland.

For good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, I/We the Inventor(s) do hereby confirm and agree that, by operation of law and/or contract, and/or by the fulfillment of any and all legal requirements regarding the transfer of employee inventions in my/our country of employment, Novartis Pharma AG is the true and

If, however, under the laws of any country, I/We the Inventor(s) nevertheless have any ownership right, title or interest in any of the items described herein (which I/We do not believe to be the case and make no claim in or to), for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I/We the Inventor(s) do hereby sell, assign and transfer to Novartis Pharma AG and its successors, assigns and legal representatives (hereinafter referred to collectively as the "ASSIGNEE"), all of our right, title and interest for all countries of the world in and to

 all of our inventions and discoveries described in the provisional or nonprovisional patent, utility model, or other application(s) entitled

### CHEMICAL PROCESS FOR PREPARING SPIROINDOLONES AND INTERMEDIATES THEREOF

and filed at the State Intellectual Property Office of the People's Republic of China as a PCT International Application on 23 March 2012 and accorded Application Number PCT/CN2012/000359 and/or filed as a PCT International Application on 22 March 2013 and accorded International Patent Application Number PCT/EP2013/056170.

- (2) the application(s) identified in paragraph (1), and all applications claiming priority from such application(s), directly or indirectly, including all national stages of any international patent application(s):
- (3) the right to file patent, utility model, or other applications on any invention or discovery disclosed in any of the applications identified in paragraphs (1) and (2), including the right to file such applications on said inventions and discoveries in the names of ASSIGNEE or their designees or in our/my name, at ASSIGNEE's election and in accordance with applicable law in all countries and regions; and the right to file all patent, utility model, or other applications in all countries and regions claiming the priority of any of the provisional or non-provisional application(s) identified in paragraphs (1) or (2);
- (4) all rights to claim priority from any of the applications referred to in paragraphs (1), (2), and (3) or from any application from which any of the applications referred to in paragraphs (1), (2) and (3) claim priority in all countries and regions under the Paris Convention for the Protection of Industrial Property, the WTO GATT TRIPS Agreement, 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 is a provisional patent application, under 35 USC 119(e):
- (5) all continuations, continuations-in-part, and divisionals of any United States patent application(s) or international patent application(s) designating the United States, any national stages of any international application(s), and any other patent application(s) described in paragraphs (1) through (4) hereof, including further continuations, continuations-in-part, and

divisionals such as, but not limited to, continuations of continuations and continuations of divisionals;

- (6) all patents, utility models, or other grants that issue from any of the applications referred to herein and all rights and remedies associated therewith including the right to sue for and recover past damages and to recover under 35 U.S.C. § 154 (d) or any other law permitting remedies for infringement prior to issuance of the patent;
- (7) all registrations and confirmations of, and importation certificates based upon, one or more of said patents, utility models, or other grants, and applications for such registrations, confirmations and importation certificates and;
- (8) all reissues, renewals and extensions of said patents, utility models, 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 to the full ends of the terms for which said patents, utility models, 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 me/us if this sale, assignment and transfer had not been made.

I/We the Inventor(s) hereby authorize ASSIGNEE and their representatives to insert in paragraph (1) of this Assignment the filing date(s) and Application Number(s) of said patent, utility model, or other application(s) when notified thereof.

I/We the Inventor(s) hereby covenant and agree that I/We will, at any time, (i) upon the request, but at the expense, of ASSIGNEE, execute and deliver all documents that may be necessary or desirable to perfect the title to the foregoing inventions and discoveries, applications, patents, utility models, registrations, confirmations, importation certificates, reissues, renewals, extensions, reexamination certificates, supplementary protection certificates, and applications within the scope of (7) and (8), in ASSIGNEE, 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 execute all additional applications within the scope of paragraphs (1) through (6) and all applications within the scope of (7) or (8), 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.

Should any provision of this Assignment be deemed invalid or unenforceable by reason of any law, statute, regulation or judgment, existing now or in the future in any jurisdiction, such provision shall be modified in such jurisdiction so as to nearly approximate the intent of the Parties. If this cannot be done, such invalid or unenforceable provision shall be divisible and be deleted in any such jurisdiction, and all other provisions shall remain in full force and effect.

This Assignment shall be governed by the laws of Switzerland.

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

Executed this	day of	, 2013
	/rc	Ĺ.S.
Michael FOULI	KES	,
Witness		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Print Name:		
Witness		<del></del>
Print Name:		
Executed this	day of	, 2013
		LaSe
Giancarlo FRA	NCESE	
Witness		
Print Name:		
Witness Print Names		

Executed this	day of	, 2013.
		L.S.
Dominique GRI	MLER	
Witness		
Print Name:		
Witness		
Print Name:		
	and the second	and the second
Executed this 2	2 day of Nove	<u>" (                                   </u>
01	/hade_	is
Parat VIII OTT	A COM	L.S.
reisi kura er.		
	RS Uselal Mark Meisei	
Witness /		······································
Print Name:	Hark Meise	a oxec a
	Comment of the Commen	
88754	<b>§</b>	
Print Name: (	Faido Jud	of the time
•	3 (/	

Executed this	day of	., 2013.
		L.S.
Kurt LAUMEN		
		<del>.</del>
Witness		
Print Name:		
		<u>;</u>
Witness		
Print Name:		
Executed this	day of	_, 2013.
		L.S.
Thomas RUCH		
Witness		
Print Name:		
Witness		<u> </u>
Print Name:		

Executed this	4.	
Acceptance of Company Novartis Pharma AG		James Stuttle
ву:	L.S.	Authorized signatory
BY: 22000 and	L.S.	Elke Blab-Rotzinger Authorized signatory
S Bosel Witness Print Name: Songa Bosel	zeč signato	ry
42 <sub>2</sub> 1	Auti	orized signatory Tanja Vogel
Witness Print Name:		

This Assignment Agreement is entered into by and between

Michael FOULKES citizen of United Kingdom c/o Novartis Pharma AG

Postfach 4002 Basel

SWITZERLAND

Giancarlo FRANCESE citizen of Italy c/o Novartis Pharma AG

Postfach 4002 Basel

SWITZERLAND

Dominique GRIMLER citizen of France c/o Novartis Pharma AG

Postfach 4002 Basel

**SWITZERLAND** 

Ernst KUESTERS citizen of Germany c/o Novartis Pharma AG

Postfach 4002 Basel

**SWITZERLAND** 

Kurt LAUMEN citizen of Germany c/o Novartis Pharma AG

Postfach 4002 Basel

**SWITZERLAND** 

Thomas RUCH citizen of Germany c/o Novartis Pharma AG

Postfach 4002 Basel

**SWITZERLAND** 

(hereinafter "Inventor(s)"), and Novartis Pharma AG, Postfach, 4002 Basel, Switzerland, a company organized under the laws of Switzerland.

For good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, I/We the Inventor(s) do hereby confirm and agree that, by operation of law and/or contract, and/or by the fulfillment of any and all legal requirements regarding the transfer of employee inventions in my/our country of employment, Novartis Pharma AG is the true and

- If, however, under the laws of any country, I/We the Inventor(s) nevertheless have any ownership right, title or interest in any of the items described herein (which I/We do not believe to be the case and make no claim in or to), for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I/We the Inventor(s) do hereby sell, assign and transfer to Novartis Pharma AG and its successors, assigns and legal representatives (hereinafter referred to collectively as the "ASSIGNEE"), all of our right, title and interest for all countries of the world in and to
- all of our inventions and discoveries described in the provisional or nonprovisional patent, utility model, or other application(s) entitled

### CHEMICAL PROCESS FOR PREPARING SPIROINDOLONES AND INTERMEDIATES THEREOF

and filed at the State Intellectual Property Office of the People's Republic of China as a PCT International Application on <a href="mailto:23 March 2012">23 March 2012</a> and accorded Application Number <a href="PCT/CN2012/000359">PCT/CN2012/000359</a> and/or filed as a PCT International Application on <a href="mailto:22 March 2013">22 March 2013</a> and accorded International Patent Application Number <a href="PCT/EP2013/056170">PCT/EP2013/056170</a>.

- (2) the application(s) identified in paragraph (1), and all applications claiming priority from such application(s), directly or indirectly, including all national stages of any international patent application(s);
- (3) the right to file patent, utility model, or other applications on any invention or discovery disclosed in any of the applications identified in paragraphs (1) and (2), including the right to file such applications on said inventions and discoveries in the names of ASSIGNEE or their designees or in our/my name, at ASSIGNEE's election and in accordance with applicable law in all countries and regions; and the right to file all patent, utility model, or other applications in all countries and regions claiming the priority of any of the provisional or non-provisional application(s) identified in paragraphs (1) or (2);
- (4) all rights to claim priority from any of the applications referred to in paragraphs (1), (2), and (3) or from any application from which any of the applications referred to in paragraphs (1), (2) and (3) claim priority in all countries and regions under the Paris Convention for the Protection of Industrial Property, the WTO GATT TRIPS Agreement, 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 is a provisional patent application, under 35 USC 119(e);
- (5) all continuations, continuations-in-part, and divisionals of any United States patent application(s) or international patent application(s) designating the United States, any national stages of any international application(s), and any other patent application(s) described in paragraphs (1) through (4) hereof, including further continuations, continuations-in-part, and

divisionals such as, but not limited to, continuations of continuations and continuations of divisionals:

- (6) all patents, utility models, or other grants that issue from any of the applications referred to herein and all rights and remedies associated therewith including the right to sue for and recover past damages and to recover under 35 U.S.C. § 154 (d) or any other law permitting remedies for infringement prior to issuance of the patent;
- (7) all registrations and confirmations of, and importation certificates based upon, one or more of said patents, utility models, or other grants, and applications for such registrations, confirmations and importation certificates and;
- (8) all reissues, renewals and extensions of said patents, utility models, 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 to the full ends of the terms for which said patents, utility models, 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 me/us if this sale, assignment and transfer had not been made.

I/We the Inventor(s) hereby authorize ASSIGNEE and their representatives to insert in paragraph (1) of this Assignment the filing date(s) and Application Number(s) of said patent, utility model, or other application(s) when notified thereof.

I/We the Inventor(s) hereby covenant and agree that I/We will, at any time, (i) upon the request, but at the expense, of ASSIGNEE, execute and deliver all documents that may be necessary or desirable to perfect the title to the foregoing inventions and discoveries, applications, patents, utility models, registrations, confirmations, importation certificates, reissues, renewals, extensions, reexamination certificates, supplementary protection certificates, and applications within the scope of (7) and (8), in ASSIGNEE, 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 execute all additional applications within the scope of paragraphs (1) through (6) and all applications within the scope of (7) or (8), 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.

Should any provision of this Assignment be deemed invalid or unenforceable by reason of any law, statute, regulation or judgment, existing now or in the future in any jurisdiction, such provision shall be modified in such jurisdiction so as to nearly approximate the intent of the Parties. If this cannot be done, such invalid or unenforceable provision shall be divisible and be deleted in any such jurisdiction, and all other provisions shall remain in full force and effect.

This Assignment shall be governed by the laws of Switzerland.

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

Executed this	day of	, 2013
		L.S.
Michael FOUL	KES	The state of the s
Witness		······································
Print Name:		
Witness		and the second s
Print Name:		
Executed this	day of	,2013
		L.S.
Giancarlo FRA	NCESE	
Witness		······································
Print Name:		
Witness		·
Print Name:		

Print Name:  Witness Print Name:  Executed this	Executed this	day of	, 2013.
Witness Print Name:  Witness Print Name:  Executed this day of , 2013.  L.S.  Ernst KUESTERS  Witness Print Name:			
Witness Print Name:  Witness Print Name:  Executed this day of , 2013.  L.S.  Ernst KUESTERS  Witness Print Name:			L.S.
Witness Print Name:  Witness Print Name:  L.S.  Ernst KUESTERS  Witness Print Name:	Dominique GRI	MLER	
Print Name:  Witness Print Name:  Executed this	Witness		
Witness Print Name:  Executed this day of, 2013.  L.S.  Ernst KUESTERS  Witness Print Name:	Print Name:		
Executed this	Ye Manaka	****	
Executed this			
Witness Print Name:  Witness	Executed this	day of	, 2013.
Witness Print Name:  Witness	Ernst KUESTE	RS	L.S.
Print Name:  Witness	Witnese		
Witness	Print Name:		
	Witness		<del></del>
1 2 KG (2 ) NEGGERAS	Print Name:		

		L.S.
Kúrt LAUMEN		
Witness Print Name:	Dr. Eric France Executive Dire	
	144	
Witness Print Name:	444	Novartis Pharma AG Or Luigi La Vecchia WKL - 136,5.93 Ø +41 61 696 16 32 Fax +41 61 696 87 57
Executed this	day of	, 2013,
Thomas RUCH		L.S.
I BOM2S KUUR		
Witness Print Name:		

Executed this 7 day of 1/24	2014	
Acceptance of Company		
Novartis Pharma AG		James Stuttle
BY: //////	L.S.	
	minimum	Authorized signatory
BY: ERON DOMINOS	LoS.	Elke Blab-Rotzinger Authorized signatory
S Boss & Authority Name: Songa Bosch  Witness  Witness	orized signato	rized signatory Tanja Vogel
Print Name:		

This Assignment Agreement is entered into by and between

Michael FOULKES citizen of United Kingdom c/o Novartis Pharma AG

Postfach 4002 Basel

SWITZERLAND

Giancarlo FRANCESE citizen of Italy c/o Novartis Pharma AG

Postfach 4002 Basel

SWITZERLAND

Dominique GRIMLER citizen of France c/o Novartis Pharma AG

Postfach 4002 Basel

SWITZERLAND

Ernst KUESTERS citizen of Germany c/o Novartis Pharma AG

Postfach 4002 Basel

**SWITZERLAND** 

Kurt LAUMEN citizen of Germany c/o Novartis Pharma AG

Postfach 4002 Basel

**SWITZERLAND** 

Thomas RUCH citizen of Germany c/o Novartis Pharma AG

Postfach 4002 Basel

SWITZERLAND

(hereinafter "Inventor(s)"), and Novartis Pharma AG, Postfach, 4002 Basel, Switzerland, a company organized under the laws of Switzerland.

For good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, I/We the Inventor(s) do hereby confirm and agree that, by operation of law and/or contract, and/or by the fulfillment of any and all legal requirements regarding the transfer of employee inventions in my/our country of employment, Novartis Pharma AG is the true and

If, however, under the laws of any country, I/We the Inventor(s) nevertheless have any ownership right, title or interest in any of the items described herein (which I/We do not believe to be the case and make no claim in or to), for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I/We the Inventor(s) do hereby sell, assign and transfer to Novartis Pharma AG and its successors, assigns and legal representatives (hereinafter referred to collectively as the "ASSIGNEE"), all of our right, title and interest for all countries of the world in and to

 all of our inventions and discoveries described in the provisional or nonprovisional patent, utility model, or other application(s) entitled

# CHEMICAL PROCESS FOR PREPARING SPIROINDOLONES AND INTERMEDIATES THEREOF

and filed at the State Intellectual Property Office of the People's Republic of China as a PCT International Application on 23 March 2012 and accorded Application Number PCT/CN2012/000359 and/or filed as a PCT International Application on 22 March 2013 and accorded International Patent Application Number PCT/EP2013/056170.

- (2) the application(s) identified in paragraph (1), and all applications claiming priority from such application(s), directly or indirectly, including all national stages of any international patent application(s);
- (3) the right to file patent, utility model, or other applications on any invention or discovery disclosed in any of the applications identified in paragraphs (1) and (2), including the right to file such applications on said inventions and discoveries in the names of ASSIGNEE or their designees or in our/my name, at ASSIGNEE's election and in accordance with applicable law in all countries and regions; and the right to file all patent, utility model, or other applications in all countries and regions claiming the priority of any of the provisional or non-provisional application(s) identified in paragraphs (1) or (2);
- (4) all rights to claim priority from any of the applications referred to in paragraphs (1),
  (2), and (3) or from any application from which any of the applications referred to in paragraphs (1), (2) and (3) claim priority in all countries and regions under the Paris Convention for the Protection of Industrial Property, the WTO GATT TRIPS Agreement, 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 is a provisional patent application, under 35 USC 119(e);
- (5) all continuations, continuations-in-part, and divisionals of any United States patent application(s) or international patent application(s) designating the United States, any national stages of any international application(s), and any other patent application(s) described in paragraphs (1) through (4) hereof, including further continuations, continuations-in-part, and

divisionals such as, but not limited to, continuations of continuations and continuations of divisionals:

- (6) all patents, utility models, or other grants that issue from any of the applications referred to herein and all rights and remedies associated therewith including the right to sue for and recover past damages and to recover under 35 U.S.C. § 154 (d) or any other law permitting remedies for infringement prior to issuance of the patent;
- (7) all registrations and confirmations of, and importation certificates based upon, one or more of said patents, utility models, or other grants, and applications for such registrations, confirmations and importation certificates and;
- (8) all reissues, renewals and extensions of said patents, utility models, 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 to the full ends of the terms for which said patents, utility models, 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 me/us if this sale, assignment and transfer had not been made.

I/We the Inventor(s) hereby authorize ASSIGNEE and their representatives to insert in paragraph (1) of this Assignment the filing date(s) and Application Number(s) of said patent, utility model, or other application(s) when notified thereof.

I/We the Inventor(s) hereby covenant and agree that I/We will, at any time, (i) upon the request, but at the expense, of ASSIGNEE, execute and deliver all documents that may be necessary or desirable to perfect the title to the foregoing inventions and discoveries, applications, patents, utility models, registrations, confirmations, importation certificates, reissues, renewals, extensions, reexamination certificates, supplementary protection certificates, and applications within the scope of (7) and (8), in ASSIGNEE, 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 execute all additional applications within the scope of paragraphs (1) through (6) and all applications within the scope of (7) or (8), 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.

Should any provision of this Assignment be deemed invalid or unenforceable by reason of any law, statute, regulation or judgment, existing now or in the future in any jurisdiction, such provision shall be modified in such jurisdiction so as to nearly approximate the intent of the Parties. If this cannot be done, such invalid or unenforceable provision shall be divisible and be deleted in any such jurisdiction, and all other provisions shall remain in full force and effect.

This Assignment shall be governed by the laws of Switzerland.

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

Executed this	day of	, 2013.
	2972	L.S.
Michael FOULI	KES	
Witness		<del>yattiin aanaa</del>
Print Name:		
Witness		
Print Name:		
Executed this	day of	, 2013
<u> </u>		L.S.
Giancarlo FRA	NLESE	
Witness		
Print Name:		
Witness		
Print Namer		

Executed this	day of	, 2013.
		L.S.
Dominique GRI	MLER	
Witness		
Print Name:		
Witness		<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>
Print Name:		
Executed this	day of	, 2013.
	7° C	L.S.
Ernst KUESTE	RS	
Witness		
Print Name:		
Witness		
Print Name:		

Thomas RUCH  Witness  Print Name: Work Sanker	<b></b> ·	
Witness Print Name:  Executed this 25 day of Navember  Thomas RUCH  Witness Print Name: Witness	***************************************	
Witness Print Name:  Executed this 25 day of Navember  Thomas RUCH  Witness Print Name: Witness		
Witness Print Name;  Executed this 25 day of Navember  Thomas RUCH  Witness Print Name: Wester Banker		art LAUMEN
Witness Print Name;  Executed this 25 day of Navember  Thomas RUCH  Witness Print Name: Wester Banker		
Witness  Print Name:  Executed this 25 day of Navember  Thomas RUCH  Witness  Print Name: Write & Banker	-	itness
Executed this 25 day of Navember.  Thomas RUCH  Witness  Print Name: Write & Sauther		int Name:
Executed this 25 day of Navember.  Thomas RUCH  Witness  Print Name: Write & Sauther		
Executed this 25 day of Navember.  Thomas RUCH  Witness  Print Name: Write & Sauther		
Executed this 25 day of Navember  Thomas RUCH  Witness  Print Name: Write & Bankley		
Thomas RUCH  Witness Print Name: West Sander		int Name:
Thomas RUCH  Witness Print Name: West Sander		
Thomas RUCH  Witness Print Name: West Sander		
Thomas RUCH  Witness Print Name: West Sander		
Thomas RUCH  Witness Print Name: West Sander		
Thomas RUCH  Witness Print Name: West Sander		
Thomas RUCH  Witness  Print Name: Work Sanker	٠,٠	recuted this 🧘
Thomas RUCH  Witness  Print Name: Work Sanker		and the second
Thomas RUCH  Witness  Print Name: Witness		j <u>l</u> v
Print Name: With Walter		iomas RUCH
Print Name: With Walter		ls ( <b>(k</b> )
Witness		itness
Witness		int Name: 🕠
Witness		
Witness	**********	
	1	A CONTRACTOR
Print Name: $<$ $c_{0.5p}$ , $\lor_{0.5p}$	1000	int Name:

Executed this 7 day of 24	2014	
Acceptance of Company Novartis Pharma, AG  BY:	1.8.	James Stuttle Authorized signatory
84: <u>F. B.C.A. Dotó</u>	<u>( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )</u>	Elke Blab-Rotzinger Authorized signatory
S Bascle Witness Print Name: Sonya Basch		etory ized signatory anja Vogel
Witness Print Name:		