PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Arnaud Grandeury	03/09/2011
Christian Riegert	03/27/2011
Andreas Schreiner	03/27/2011

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:	13637048

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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

ATTORNEY DOCKET NUMBER:	PAT053502-US-PCT
NAME OF SUBMITTER:	Cindy Klepacky

Total Attachments: 5

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PATENT REEL: 029694 FRAME: 0631 CH \$40,00 136370

502207839

ASSIGNMENT

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

- (1) Arnaud Grandeury, (2) Christian Riegert and (3) Andreas Schreiner, respectively residing at
- (1) Novartis Pharma AG

Postfach

4002 Basel

SWITZERLAND.

(2) Novartis Pharma AG

Postfach

4002 Basel

SWITZERLAND and

(3) Novartis Pharma AG

Postfach

4002 Basel

SWITZERLAND,

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

PREPARATION OF ANHYDROUS AND HYDRATED POLYMORPHS OF 4-AMINO-5-FLUORO-3-[6-(4-METHYLPIPERAZIN-1-YL)-1H-BENZIMIDAZOL-2-YL]-1H-QUINOLIN-2-ONE LACTIC ACID SALT

and filed in the United	d States Patent and Trademark Office on	, 20	and accorded Application
Number	d States Patent and Trademark Office on * and/or filed in the RO/ <u>そ/</u> で on <u>257</u> /	lough	. 20 <u></u> and accorded
	Application Number PCT/ <u>6/720/4//034609-</u> *		
in (1), (3) all national	stages of any international patent application ide	entified in (1)	, (4) all other patent
	intries and regions claiming the priority of the pro		
application filed in the	United States Patent and Trademark Office on	26 March, 2	010 and accorded
Application Number 6	31/317943, (5) for all patent applications, all righ	ts of priority	based upon the United
States patent applica	tion identified in (4) in all countries and regions u	inder the Pa	ris Convention for the
Protection of Industria	al Property, the Inter-American Convention relati	ng to Inventi	ons, Patents, Designs, and
Industrial Models and	all other international agreements to which the	United State	s now is or hereafter
	and, if the United States patent application ident		
application, under 35	USC 119(e) (including the right to file patent app	olications on	said inventions and
	mes of ASSIGNEE or their designees or in our na		
	icable law in all countries and regions), (6) all co		
	tion or international patent application designatin		
	f any international application identified in (1) an		
	g further continuations and divisions such as, bu		
	ntinuations of divisions), ((2)-(4) and (6) hereinaf		
	patents that are granted on any of said patent ap		
confirmations of, and	importation certificates based upon, one or more	of said pate	ents And 5 No cations for

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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 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.

Executed this <u>GLA</u> day	of march	, 20_[]
		L.S.
Arnaud Grandeury		
ACKNOWLEDGEMENT		
State of)	
) s.s.:	
County of)	
On this day of		20, personally appeared before me me known and known by me to be the same person described
in and who executed the foregown free will for the purpose s	going Assignme	nt and acknowledged that (s)he executed the same of his (her)
(Seal)		
		Notary Public

PATENT REEL: 029694 FRAME: 0633

Executed this 2 day of Malch 20-14
Christian Riegert L.S.
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 describe 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 <u>21</u> day of <u>March</u> , 20 <u>4</u> ?
Andreas Schreiner L.S.
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
Chillain same

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ACCEPTANCE OF ASSIGNMENT

With reference to the Assignment to NOVARTIS AG of an invention entitled "" signed by Arnaud Grandeury, Christian Riegert and Andreas Schreiner and; this will certify that NOVARTIS AG accepts such Assignment.

NOVARTIS AG			
Ву:	JM. 12mhl	<u>5305/4</u>	
Name :	June Violet Mentel	Sonja Bösch	
Function:	Duly Authorized Signatories		
Date:	22 / Besch 20/1		

PATENT REEL: 029694 FRAME: 0635

ATTESTATION

I, the undersigned Civil Law Notary in Basel, Switzerland, lic.lur. Marius Meier, certify herewith that the signatures attached heretofore is the genuine signatures of Mr. Arnaud Grandeury, French citizen, residing in Helfrantzkirch, France; and of Mr. Christian Riegert, French citizen, residing in Sierentz, France; and of Mr. Andreas Schreiner, German citizen, residing in Rheinfelden, Switzerland.

I further certify that the signatures attached heretofore are the genuine signatures of Ms. June Violet Mentel, citizen of Grenchen/SO, Switzerland, residing in Arlesheim, Switzerland; and of Ms. Sonja Bösch, German citizen, residing in Pfaffenweiler, Germany; both acting for Novartis AG, in Basel, Switzerland, both as proxy holders, both with joint signature.

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

BASEL, Switzerland, this 15th (fifteenth) day of April 2011 (two thousand and eleven)

Leg.Prot.Nr. 353/2011

M. Meier Notar

PATENT REEL: 029694 FRAME: 0636

RECORDED: 01/25/2013