PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| BEAT FREI | 06/12/2013 |
| UWE GRETHER | 06/12/2013 |
| MATTHIAS NETTEKOVEN | 06/12/2013 |
| STEPHAN ROEVER | 06/12/2013 |
| MARK ROGERS-EVANS | 06/12/2013 |
| TANJA SCHULZ-GASCH | 06/12/2013 |

RECEIVING PARTY DATA

| Name: | F. HOFFMANN-LA ROCHE AG | |
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| Street Address: | GRENZACHERSTRASSE 124 | |
| City: | BASEL | |
| State/Country: | SWITZERLAND | |
| Postal Code: | 4070 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14648431 |

CORRESPONDENCE DATA

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| ATTORNEY DOCKET NUMBER: | P31378-US |
|-------------------------|-----------------|
| NAME OF SUBMITTER: | MARK D. KAFKA |
| SIGNATURE: | /Mark D. Kafka/ |
| DATE SIGNED: | 06/11/2015 |

Total Attachments: 3

PATENT REEL: 035823 FRAME: 0646

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> PATENT REEL: 035823 FRAME: 0647

ASSIGNMENT AGREEMENT

I/We, the undersigned

Inventor(s)

Beat Frei, laboratory assistant, a Swiss citizen

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Tanja Schulz-Gasch, chemist, a German citizen

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Employed by:

F. Hoffmann-La Roche AG

r F. Hoffmann-La Roche AG

hereinafter ASSIGNOR(S), herewith declare that we are the joint inventor(s) together with

Inventor(s) Employed by:

Atsushi Kimbara CHUGAI PHARMACEUTICAL CO. LTD

hereinafter CO-INVENTOR(S)

of the invention entitled:

Novel pyridine derivatives

for which (a) priority application(s) was (were) filed on behalf of

Applicant Patent Office

F. Hoffmann-La Roche AG with the European Patent Office

as outlined below:

 Case No.
 Country
 Filing Date
 Serial No.

 31378 EP
 Europe
 07.12.2012
 12196022.3

ASSIGNOR(S) acknowledge(s) the previous transfer to

F. Hoffmann-La Roche AG Grenzacherstrasse 124 4070 Basel Switzerland

V\(\)_Org\CLP-Administration_Cases\\\31000\\\31300\\31378\ASSIGNMENT AGREEMENT_inv. to FHLR.docx

PATENT REEL: 035823 FRAME: 0648 hereinafter ASSIGNEE, of all right, title, and interest in, to, and deriving from the inventions disclosed in the priority application(s) set forth above by operation of law, contract, or otherwise.

ASSIGNEE by virtue of this assignment thereof shall have the exclusive right and is fully entitled to claim priority of the priority application(s) set forth above, to apply for, obtain, and own patents worldwide in its own name and at its own costs that claim priority to and are based in whole or in part on the priority application(s), to maintain any patent granted thereupon and to discontinue any patents or patent applications as it deems appropriate.

The assignment of the rights of the CO-INVENTOR(S) to the Applicant is subject to separate assignment agreement(s). ASSIGNOR(S) explicitly approve(s) that assignment(s).

ASSIGNEE and ASSIGNOR hereby acknowledge, confirm, and agree that ASSIGNOR has been fully and adequately compensated for all rights granted or assigned to ASSIGNEE hereunder.

This agreement shall be governed and construed in accordance with substantive laws of Switzerland, with the exclusion of the Vienna Convention on the International Sale of Goods dated, April 11, 1980. The competent courts of Basel City, Switzerland shall have exclusive jurisdiction.

ASSIGNOR(S)

| Basel, Switzerland, June 12, 2013 | Est The |
|---|---------------------|
| Place, Date | Beat Frei |
| Basel, Switzerland, June 12, 2013 Place, Date | Uwe Grether |
| Basel, Switzerland, June 12, 2013 | LEY SE |
| Place, Date | Mátthias Nettekővén |
| Basel, Switzerland, June 12, 2013 Place, Date | Mark Rogers-Evans |
| Basel, Switzerland, June 12, 2013 | |
| Place, Date | Stephan Reever |
| Basel, Switzerland, June 12, 2013 Place, Date | Tania Babula Kasah |
| ASSIGNEE | Tanja Schulz Gasch |
| 74-07-07-07-07-07-07-07-07-07-07-07-07-07- | |

F. Hoffmann-La Roche AG

Basel, Switzerland,

Place, Date

Antonio Natoli

Holder of procuration

Denise Strebel Mandatory

TO BE NOTARIZED

We 24, 2013.

Legalization

The undersigned Notary Public of the Canton of Basel-Stadt (Switzerland), Dr. Christoph Nertz, herewith legalizes the foregoing signatures of

Mister Beat Frei, citizen of and residing in Auenstein (Switzerland),

Mister Uwe Grether, German citizen, residing in Efringen Kirchen (Germany),

Mister Matthias Nettekoven, German citizen, residing in Grenzach-Wyhlen (Germany),

Mister Mark Rogers-Evans, British citizen, residing in Bottmingen (Switzerland),

Mister Stephan Roever, German citizen, residing in Inzlingen (Germany), and

Miss Tanja Schulz-Gasch, German citizen, residing in Ziefen (Switzerland).

He certifies that the named persons are in the employ of F. Hoffmann-La Roche AG, a stock company with legal domicile in Basel (Switzerland).

He also legalizes the foregoing signature of

F. Hoffmann-La Roche AG, a stock company with legal domicile in Basel (Switzerland), rendered by

Mister Antonio Natoli, citizen of and residing in Basel (Switzerland), and

Miss Denise Strebel, citizen of Basel (Switzerland), residing in Gretzenbach (Switzerland),

both duly entitled also to sign documents wherein property of the company is alienated.

Legalization based on comparison with authentic signatures.

B a s e I (Switzerland), this 15th (fifteenth) day of October 2013 (two thousand and thirteen).

n- 67-15

DR. CHRISTOPH NERTZ NOTAR BASEL

BV 907/2013

PATENT REEL: 035823 FRAME: 0650

RECORDED: 06/11/2015