

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TOMONORI ICHIBAKASE	06/17/2016
HAJIME MOTOYOSHI	06/21/2016
KENTARO YAJI	06/24/2016
NAOKI YOSHIKAWA	06/20/2016
RECEIVING PARTY DATA	
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City:	OSAKA
State/Country:	JAPAN
Postal Code:	541-0045
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16870653
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SIGNATURE:	/Tracie Crothers/
DATE SIGNED:	02/13/2022
Total Attachments: 3	
source=assignment-inventors to Takeda Pharmaceutical Company Limited#page1.tif	
source=assignment-inventors to Takeda Pharmaceutical Company Limited#page2.tif	

ASSIGNMENT

WHEREAS, I/WE

- (1) **Tomonori ICHIBAKASE** residing at c/o TAKEDA PHARMACEUTICAL COMPANY LIMITED, 17-85, Jusohonmachi 2-chome, Yodogawa-ku, Osaka-shi, Osaka 532-0024 JAPAN and a citizen of Japan
- (2) **Hajime MOTOYOSHI** residing at c/o TAKEDA PHARMACEUTICAL COMPANY LIMITED, 17-85, Jusohonmachi 2-chome, Yodogawa-ku, Osaka-shi, Osaka 532-0024 JAPAN and a citizen of Japan
- (3) **Kentaro YAJI** residing at c/o TAKEDA PHARMACEUTICAL COMPANY LIMITED, 17-85, Jusohonmachi 2-chome, Yodogawa-ku, Osaka-shi, Osaka 532-0024 JAPAN and a citizen of Japan
- (4) **Naoki YOSHIKAWA** residing at c/o TAKEDA PHARMACEUTICAL COMPANY LIMITED, 17-85, Jusohonmachi 2-chome, Yodogawa-ku, Osaka-shi, Osaka 532-0024 JAPAN and a citizen of Japan,

hereinafter referred to as Assignor(s), have invented a certain invention entitled:

SOLID STATE FORMS OF FUSED HETEROAROMATIC PYRROLIDINONES

for which invention an application (provisional or non-provisional) for a U.S. patent was filed on December 17, 2015, under U.S. Application No. 14/973,180, and

WHEREAS, **Takeda Pharmaceutical Company Limited** of 1-1, Doshomachi 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0045 Japan, hereinafter referred to as Assignee, is desirous of acquiring the entire right, title, and interest in, to, and under the invention described in the patent application, including the entire priority right derived from the application,

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged,

Assignor(s) assign and transfer to Assignee and Assignee's legal representatives, successors, and assigns the entire right, title, and interest in, to, and under the invention, the referenced patent application, and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, national and regional phase applications, petty patent applications, and utility model applications) that may be filed in the U.S. and/or any country foreign to the U.S. on the invention, and the patents that may issue thereon,

Assignor(s) convey to the Assignee the right to make applications in Assignee's own behalf for protection of the invention in the U.S. and countries foreign to the U.S. and to claim priority to the referenced patent application and other such applications that may be filed in the U.S. or any country foreign to the U.S. on the invention under the Patent Cooperation Treaty, the Paris Convention, and any other international arrangements,

Assignor(s) will not execute any writing or do any act conflicting with the terms of this assignment,

Assignor(s) will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to pursue the patent applications identified herein, including, but not limited to, rendering all necessary assistance in making applications for and obtaining patents that may issue thereon in the U.S. and any countries foreign to the U.S. on the invention, and in enforcing any rights accruing as a result of such applications or patents, by, for example, executing statements and other affidavits,

Assignor(s) and Assignee agree the terms of this assignment shall bind, and inure to the benefit of, the legal representatives, successors, and assigns of all parties hereto,

Assignor(s) authorize Assignee to insert in this assignment the number and filing date of the application if the number and filing date of the application are not recited herein at the time of execution of this assignment by any or all of the parties hereto,

Assignor(s) and Assignee agree that U.S. law governs this assignment, and

Assignee acknowledges and accepts this assignment, as evidenced by the signature of an officer or authorized representative of Assignee below.

IN WITNESS WHEREOF, Assignor has hereunder set his/her hand on the date shown below.

Date June 17, 2016

Tomonori Ichibakase.

Assignor: Tomonori ICHIBAKASE

Date June 17, 2016

Takashi Abe

Witness: Takashi ABE

Date June 17, 2016

Hiroaki Hoshikawa

Witness: Hiroaki HOSHIKAWA

Date June 21, 2016

Hajime Motoyoshi
Assignor: Hajime MOTOYOSHI

Date June 21, 2016

Yasushi Isogami
Witness: Yasushi Isogami

Date June 21, 2016

Tatsuya Ito
Witness: TATSUYA ITO

Date June 24, 2016

Kentaro Yaji
Assignor: Kentaro YAJI

Date June 24, 2016

Tsuei Yamamoto
Witness: Tsuei Yamamoto

Date June 24, 2016

Akira Morita
Witness: Akira Morita

Date June 20, 2016

Naoki Yoshikawa
Assignor: Naoki YOSHIKAWA

Date June 20, 2016

Keisuke Majima
Witness: Keisuke Majima

Date June 20, 2016

Kyoji Tsuruoka
Witness: Kyoji Tsuruoka

Date June 29, 2016

Yoichi Okumura
Name: Yoichi OKUMURA
Title: Global Head of IP of Takeda Pharmaceutical

Company Limited

Office or Authorized Representative of Assignee

Date June 29, 2016

Seiji Mori
Witness: Seiji Mori

Date June 29, 2016

Maiko Hirai
Witness: Maiko Hirai