

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6981868

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
YUHEI MIYANO HANA	06/30/2021
YUICHI KAJITA	06/30/2021
TATSUKI KOIKE	07/07/2021
YASUTAKA HOASHI	06/30/2021
YASUSHI HATTORI	07/02/2021
NORIHITO TOKUNAGA	06/30/2021
DILHUMAR UYGHUR	07/06/2021
YOSHITERU ITO	06/30/2021
KOHEI TAKEUCHI	06/30/2021
KEISUKE IMAMURA	06/30/2021
TAKAHIRO SUGIMOTO	06/30/2021
TSUNEO ODA	06/27/2021
TOHRU MIYAZAKI	06/26/2021

**RECEIVING PARTY DATA**

<b>Name:</b>	TAKEDA PHARMACEUTICAL COMPANY LIMITED
<b>Street Address:</b>	1-1, DOSHOMACHI 4-CHOME, CHUO-KU
<b>Internal Address:</b>	OSAKA-SHI
<b>City:</b>	OSAKA
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	541-0045

**PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	17413469

**CORRESPONDENCE DATA**

Fax Number:

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Email: jmccoy@skgf.com, ttopssecretary2@skgf.com,  
jyando@sternekessler.com**PATENT**

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**ATTORNEY DOCKET NUMBER:** 3817.1110001

**NAME OF SUBMITTER:** JOSHUA G. MCCOY , REG. NO. 70307

**SIGNATURE:** /Joshua G. McCoy/

**DATE SIGNED:** 10/21/2021

**Total Attachments: 15**

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**ASSIGNMENT**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

TAKEDA PHARMACEUTICAL COMPANY LIMITED  
1-1, Doshomachi 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0045 Japan

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions in and to this invention relating to

**HETEROCYCLIC COMPOUND**

as set forth in this United States Patent Application

*Check one*       executed concurrently herewith  
                   executed on \_\_\_\_\_  
                   Serial No. \_\_\_\_\_ Filed \_\_\_\_\_  
and

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the Patent Cooperation Treaty, the Paris Convention and any other international agreement; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining





**NAME AND SIGNATURE OF INVENTOR**

Name: Tsuneo ODA SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

**NAME AND SIGNATURE OF WITNESSES**

Name: SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

Name: SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Tohru MIYAZAKI SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

**NAME AND SIGNATURE OF WITNESSES**

Name: SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

Name: SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Dilhumar UYGHUR SIGNATURE Dilhumar UYGHUR Date Jul. 06, 2021

**NAME AND SIGNATURE OF WITNESSES**

Name: SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

Name: SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Yoshiteru ITO SIGNATURE Yoshiteru Ito Date Jun. 30, 2021

**NAME AND SIGNATURE OF WITNESSES**

Name: SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

Name: SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Kohei TAKEUCHI                      SIGNATURE Kohei Takeuchi      Date June 30, 2021

**NAME AND SIGNATURE OF WITNESSES**

Name:    SIGNATURE \_\_\_\_\_      Date \_\_\_\_\_

Name:    SIGNATURE \_\_\_\_\_      Date \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Keisuke IMAMURA                      SIGNATURE Keisuke Imamura      Date June 30, 2021

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Name:    SIGNATURE \_\_\_\_\_      Date \_\_\_\_\_

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**NAME AND SIGNATURE OF INVENTOR**

Name: Takahiro SUGIMOTO                      SIGNATURE Takahiro Sugimoto      Date June 30, 2021

**NAME AND SIGNATURE OF WITNESSES**

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ASSIGNOR HEREBY GRANTS to the law firm of **Foley & Lardner LLP** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

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**NAME AND SIGNATURE OF INVENTOR**

Name: Yuhei MIYANOHANA                      SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

**NAME AND SIGNATURE OF WITNESSES**

Name:    SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

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**NAME AND SIGNATURE OF INVENTOR**

Name: Yuichi KAJITA                              SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

**NAME AND SIGNATURE OF WITNESSES**

Name:    SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

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**NAME AND SIGNATURE OF INVENTOR**

Name: Tatsuki KOIKE                      SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

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**NAME AND SIGNATURE OF INVENTOR**

Name: Yasutaka HOASHI                      SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

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**NAME AND SIGNATURE OF INVENTOR**

Name: Yasushi HATTORI                      SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

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**NAME AND SIGNATURE OF INVENTOR**

Name: Norihito TOKUNAGA                      SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

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**NAME AND SIGNATURE OF INVENTOR**

Name: Tsuneo ODA SIGNATURE Tsuneo Oda Date June 27, 2021

**NAME AND SIGNATURE OF WITNESSES**

Name: SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

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**NAME AND SIGNATURE OF INVENTOR**

Name: Tohru MIYAZAKI SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

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**NAME AND SIGNATURE OF INVENTOR**

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Name: Tatsuki KOIKE                      SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

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Name: Yasutaka HOASHI                      SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

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Name: Yasushi HATTORI                      SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

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**NAME AND SIGNATURE OF INVENTOR**

Name: Norihito TOKUNAGA                      SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

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**NAME AND SIGNATURE OF INVENTOR**

Name: Tsuneo ODA SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

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Name: SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Tohru MIYAZAKI SIGNATURE Tohru Miyazaki Date Jun 26, 2021

**NAME AND SIGNATURE OF WITNESSES**

Name: SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

Name: SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Dilhumar UYGHUR SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

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Name: Yoshiteru ITO SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

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**NAME AND SIGNATURE OF INVENTOR**

Name: Kohei TAKEUCHI                      SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

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Name: Keisuke IMAMURA                      SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

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Name: Takahiro SUGIMOTO                      SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

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