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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the CONVEYING PARTY DATA previously recorded on Reel 064514 Frame 0044. Assignor(s) hereby confirms the ASSIGNMENT.
CONVEYING PARTY DATA	
Name	Execution Date
ASATO KINA	05/18/2023
ZENICHI IKEDA	05/19/2023
ITSUNORI KONO	05/23/2023
YUYA OGURO	05/19/2023
OSAMU KUBO	05/22/2023
TORU YAMASHITA	05/19/2023
KAZUAKI TAKAMI	05/19/2023
TAKAFUMI YUKAWA	05/19/2023
MASAKI SETO	05/23/2023
MAKOTO KAMATA	05/19/2023
KENJIRO SATO	05/22/2023
MASATAKA MURAKAMI	05/23/2023
YUSUKE SASAKI	11/27/2023
MATTHEW THOMAS REYNOLDS	05/23/2023
MINORU NAKAMURA	05/19/2023
TAKU KAMEI	05/19/2023
HIROYUKI KAKEI	05/19/2023
FUMIE YAMAGUCHI	05/19/2023
TOMOHIRO OHASHI	05/22/2023
TAKUTO KOJIMA	05/22/2023
KEIKO KAKEGAWA	05/22/2023

FLORIAN PÜNNER	05/22/2023
SHINJI NAKAMURA	05/22/2023
NAO MORISHITA	05/23/2023
TADASHI HIDAKA	06/01/2023
SACHIE TAKASHIMA	06/01/2023
TAKAHIKO TANIGUCHI	05/22/2023

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City:	OSAKA
State/Country:	JAPAN
Postal Code:	541-0045

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	63385598

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3817.1820000

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Date:

12/01/2023

Total Attachments: 9

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EPAS ID: PAT8306632
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EPAS ID: PAT8100389

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ASATO KINA	05/18/2023
ZENICHI IKEDA	05/19/2023
ITSUNORI KONO	05/23/2023
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MAKOTO KAMATA	05/19/2023
KENJIRO SATO	05/22/2023
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MATTHEW THOMAS REYNOLDS	05/23/2023
MINORU NAKAMURA	05/19/2023
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TADASHI HIDAHA	06/01/2023
SACHIE TAKASHIMA TAKAHIKO	06/01/2023
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Name:	TAKEDA PHARMACEUTICAL COMPANY LIMITED
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PATENT

For: U.S. and Foreign Rights For:U.S.
Application
By: Inventors

ASSIGNMENT OF INVENTION

WHEREAS,

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have invented a certain invention entitled:

HETEROCYCLIC COMPOUND AND USE THEREOF

for which a provisional application for a United States patent was filed on November 30, 2022, under U.S. Provisional Application No. 63/385,598.

WHEREAS,

ASSIGNEE:

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Osaka, Japan 541-0045
A Japanese Company

is desirous of acquiring ASSIGNORS' entire domestic and foreign right, title, and interest in and under the invention described in the patent application;

Now, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNORS hereby, without reservations, sell, assign and transfer to ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and to the invention in the United States and in every foreign country, and our entire right, title, and interest in and to the patent application and such other applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications and utility model applications) as may be filed on the invention in the United States or in any foreign country, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon; said invention, applications, and patents to be held and enjoyed by ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said patents may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made

ASSIGNORS hereby authorize the ASSIGNEE to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.

ASSIGNORS hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein.

ASSIGNORS further acknowledge that this assignment carries with it the right in ASSIGNEE to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of the United States application (or any other application on the invention) to gain priority with respect to other applications.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNORS further covenant that we will at any time upon request, without further or additional consideration, but at the expense of the ASSIGNEE, execute and deliver such additional assignments and other writings and do such additional acts as the ASSIGNEE may deem necessary or desirable to perfect the ASSIGNEE's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the United States or of any and all foreign countries on the invention, and in enforcing any rights or chooses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representative of all parties hereto.

AND, ASSIGNORS do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

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