

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
SEQUENCE:	3	
CONVEYING PARTY DATA		
	Name	Execution Date
	TAKEDA GLOBAL RESEARCH & DEVELOPMENT CENTRE (EUROPE) LTD.	01/22/2013
RECEIVING PARTY DATA		
Name:	TAKEDA PHARMACEUTICAL COMPANY LIMITED	
Street Address:	1-1, DOSHOMACHI 4-CHOME	
Internal Address:	CHUO-KU	
City:	OSAKA	
State/Country:	JAPAN	
Postal Code:	540-8645	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	16787521	
CORRESPONDENCE DATA		
Fax Number:	(857)287-3101	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
Phone:	857-287-3100	
Email:	Jenna.Ruggirio@wbd-us.com	
Correspondent Name:	WOMBLE BOND DICKINSON (US) LLP	
Address Line 1:	470 ATLANTIC AVENUE	
Address Line 2:	SUITE 600	
Address Line 4:	BOSTON, MASSACHUSETTS 02210	
ATTORNEY DOCKET NUMBER:	T103022 1020US.C3 (0403.1	
NAME OF SUBMITTER:	KEVIN A. FIALA	
SIGNATURE:	/Kevin A. Fiala/	
DATE SIGNED:	11/22/2021	
Total Attachments: 6		
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PATENT

REEL: 058178 FRAME: 0743

ASSIGNMENT

WHEREAS, by virtue of agreement with and an Assignment from Takeda Global Research & Development Centre (Europe) Ltd. (hereinafter "ASSIGNOR"), a Corporation having its principal place of business at **61 Aldwych, London, WC2B 4AE, UK** has acquired an undivided interest in **PCT Application filed on May 2, 2012 as PCT Application No. PCT/US12/36069.**

WHEREAS, Takeda Pharmaceutical Company Limited (hereinafter "ASSIGNEE"), having its principal place of business at **1-1, Doshomachi 4-chome, Chuo-ku, Osaka, Japan 540-8645**, desires to acquire said undivided interest therein in accordance with agreements duly entered into with ASSIGNOR;

NOW, THEREFORE, in consideration of said Agreements and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

AND for the same consideration, Assignor hereby represents and warrants to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

MCDERMOTT WILL & EMERY LLP

All practitioners at Customer Number 23630

AND Assignor acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Acknowledged and Accepted by:

Takeda Global Research & Development
Centre (Europe) Ltd.

BDM DE
Print Name: BRIAN DRISCOLL DAVID LIAO
Print Title: COMPANY FINANCE DIRECTOR
SECRETARY

Witness (1):

Vincent Ryan
Print Name: VINCENT RYAN
Print Title: SEN. ACCOUNTS CO-ORDINATOR

Witness (2):

Sarla Patel
Print Name: SARLA PATEL
Print Title: SEN. ACCOUNTS CO-ORDINATOR

Acknowledged and Accepted by:

Takeda Pharmaceuticals Company, Ltd.

Print Name: _____
Print Title: _____

Witness (1):

Print Name: _____
Print Title: _____

Witness (2):

Print Name: _____
Print Title: _____

ASSIGNMENT

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MCDERMOTT WILL & EMERY LLP

All practitioners at Customer Number 23630

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Acknowledged and Accepted by:

**Takeda Global Research & Development
Centre (Europe) Ltd.**

Print Name: _____

Print Title: _____

Witness (1):

Print Name: _____

Print Title: _____

Witness (2):

Print Name: _____

Print Title: _____

Acknowledged and Accepted by:

Takeda Pharmaceuticals Company, Ltd.



Print Name: Yoichi Okumura

Print Title: General Manager
Intellectual Property Department

Witness (1):



Print Name: Yoshikazu HASEGAWA

Print Title: Senior Director, IPD

Witness (2):



Print Name: Regina LEVESQUE

Print Title: _____