

Internal Ref.: PAT14193PCT01 and
PAT14193EP01;
PAT14193AR01

For: U.S. and Foreign Rights
For: International Application and
EP Application and
AR Application
By: Sara Yazdi

ASSIGNMENT OF INVENTION

WHEREAS,

ASSIGNOR:

Name: Sara YAZDI

Address: c/o Takeda Vaccines, Inc., 75 Sidney Street, Cambridge, MA 02139

Nationality: US

has co-invented a certain invention entitled:

DENGUE VACCINE FORMULATION

for which an International patent application was filed on October 18, 2023, under International Application No. PCT/US2023/077131 and for which an European patent application was filed on October 18, 2023, under EP application No. 23 204 288.7; and for which an Argentinian patent application was filed on October 18, 2023, under AR application No. P230102778;

WHEREAS,

ASSIGNEE:

Takeda Vaccines, Inc.

75 Sidney Street

Cambridge, Massachusetts, 02139

United States of America

State of Incorporation: Delaware

is desirous of acquiring ASSIGNORS' entire domestic and foreign right, title, and interest in and under the invention described in the patent application, including any and all divisions and continuations thereof, all rights of priority under the terms of the International Convention for the Protection of Industrial Property, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR hereby, without reservations, sells, assigns and transfers to ASSIGNEE, its successors, assigns and legal representatives, her entire right, title and interest in and to the invention in the United States and in every foreign country, all rights of priority under

the terms of the International Convention for the Protection of Industrial Property, and her 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, application, 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.

ASSIGNOR hereby authorizes 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.

ASSIGNOR hereby acknowledges that this assignment, being of her 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. ASSIGNOR further acknowledges 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.

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

ASSIGNOR further covenants that she 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 choses 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, ASSIGNOR does 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.

I have hereunto set my hand this 13th day of March 2025.

[Sara YAZDI] *Sara yazdi*
Signature of Inventor

ACCEPTED AND AGREED TO BY ASSIGNEE TAKEDA VACCINES, INC.

SIGNED this 3 day of April.

TAKEDA VACCINES, INC.

By: 

Name: Changgang Lou

Title: IP Region Head