

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	HILMAR EBERSBACH	07/14/2015
RECEIVING PARTY DATA		
Name:	NOVARTIS PHARMA AG	
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State/Country:	SWITZERLAND	
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PROPERTY NUMBERS Total: 2		
	Property Type	Number
	Application Number:	14805193
	PCT Number:	US2015041378
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DATE SIGNED:	05/29/2017	
Total Attachments: 3		
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ASSIGNMENT

WHEREAS, I, Hilmar Ebersbach, a citizen of Germany, having a mailing address of Novartis Pharma AG, Postfach, 4002 Basel, CH, hereinafter generally referred to as "ASSIGNOR," have invented a certain new and useful

**TREATMENT OF CANCER USING HUMANIZED ANTI-BCMA CHIMERIC
ANTIGEN RECEPTOR**

for which we have filed a PCT International Application on July 21, 2014 and accorded International Patent Application Number PCT/CN2014/082586;

and filed a PCT International Application on November 6, 2014 and accorded International Patent Number PCT/CN2014/090501;

and/or filed a PCT International Application on July 21, 20 15 and accorded International Patent Application Number PCT/ US2015/041378;

and/or filed in the United States Patent and Trademark Office on July 21, 20 15 and accorded Application Number 14/805193;

AND, I appoint, authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting in the spaces provided above the filing date and serial number of said application when known;

AND, WHEREAS, **NOVARTIS PHARMA AG**, hereinafter referred to as the ASSIGNEE, of Lichtstrasse 35, 4056 Basel, SWITZERLAND, a company organized under the laws of Switzerland, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said application, and to any patent application(s) corresponding thereto, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries:

NOW, THEREFORE, for and in exchange for valuable consideration from the receipt of which is hereby acknowledged and intending to be bound, I, the said assignor, have sold, assigned, transferred and set over, effective as of the execution date of this assignment and by these presents do hereby sell, assign, transfer and set over to said assignee, the entire right, title and interest in and to said inventions or improvements and said application and any and all corresponding patent application(s) and continuations, divisions and renewals of and substitutes for said corresponding patent application(s), and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and assign to and authorize said assignee, to file in my name corresponding patent applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me had this assignment, sale and transfer not been made.

AND I hereby covenant that I have full right to convey the entire interest herein assigned, and that I have not executed and will not execute any agreement in conflict herewith, and I further covenant and agree that I will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent to said assignee, its successors, assigns, nominees or legal representatives, and I agree to communicate to said assignee, or to its nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

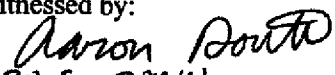
AND I hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents of applications as aforesaid, to issue to said assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

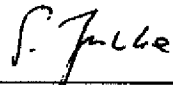
IN WITNESS WHEREOF, I have hereunto set my hand and seal.

Executed this 14th day of July, 2015.

BY  (Seal)
Hilmar Ebersbach

Witnessed by:


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NOVARTIS PHARMA AG

Executed this 15th day of July, 2015.

BY Susan M. Dillon L.S.
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