

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4457492

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BENNO RATTEL	02/07/2017
MATTHIAS FRIEDRICH	02/15/2017
PETER KUFER	03/23/2017
PATRICK HOFFMANN	02/07/2017
TOBIAS RAUM	02/02/2017
MARKUS MÜNZ	02/07/2017
INES HERRMANN	02/02/2017
RALF LUTTERBÜSE	02/07/2017
ELISABETH NAHRWOLD	02/02/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	AMGEN RESEARCH (MUNICH) GMBH
<b>Street Address:</b>	STAFFELSEESTRASSE 2
<b>City:</b>	MUNICH
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	81477
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15329672
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(312)474-0448
<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>	
<b>Phone:</b>	3124746300
<b>Email:</b>	docket@marshallip.com, lfrasher@marshallip.com
<b>Correspondent Name:</b>	MARSHALL, GERSTEIN & BORUN LLP
<b>Address Line 1:</b>	233 SOUTH WACKER DRIVE
<b>Address Line 2:</b>	SUITE 6300
<b>Address Line 4:</b>	CHICAGO, ILLINOIS 60606
<b>ATTORNEY DOCKET NUMBER:</b>	32243/48848A
<b>NAME OF SUBMITTER:</b>	LYNN L. JANULIS

PATENT

<b>SIGNATURE:</b>	/Lynn L. Janulis, #53,066/
<b>DATE SIGNED:</b>	06/13/2017
<b>Total Attachments: 11</b> source=48848a-assignment#page1.tif source=48848a-assignment#page2.tif source=48848a-assignment#page3.tif source=48848a-assignment#page4.tif source=48848a-assignment#page5.tif source=48848a-assignment#page6.tif source=48848a-assignment#page7.tif source=48848a-assignment#page8.tif source=48848a-assignment#page9.tif source=48848a-assignment#page10.tif source=48848a-assignment#page11.tif	

ASSIGNMENT

Appl. No.: 15/329,672

Filed: January 27, 2017

Title: OPTIMIZED CROSS-SPECIES SPECIFIC BISPECIFIC SINGLE CHAIN ANTIBODY  
CONSTRUCTS

For good and valuable consideration, the receipt and sufficiency of which are hereby agreed, Benno Rattel, Matthias Friedrich, Peter Kufer, Patrick Hoffmann, Tobias Raum, Markus Münz, Ines Herrmann, Ralf Lutterbüse, and Elisabeth Nahrwold ("Assignor") agrees to assign and hereby does assign to AMGEN RESEARCH (MUNICH) GMBH, Staffelseestrasse 2, 81477 Munich, GERMANY ("Assignee") all rights, title, and interests in and to the inventions that are disclosed in the application listed above (the "Application") including, but without limitation, all rights:

- (i) in and to the Application and all other applications anywhere in the world that have been or may be filed on said inventions and/or naming Assignor as an inventor of said inventions.
- (ii) in and to all patents issuing on any of the foregoing.
- (iii) in and to all reissues, reexaminations, supplemental examinations, inter partes reviews, oppositions, post-grant reviews, supplementary protection certificates, and/or extensions of any of the foregoing.
- (iv) to bring suit, the right to claim and retain all damages and/or seek other remedies for the past, present, and future infringement and/or misappropriation of any of the foregoing, and
- (v) of priority including, but without limitation, the right to claim priority benefit of or to the Application and all of the foregoing.

Assignor requests the Commissioner for Patents in the United States and similar authorities outside the United States to issue said patents to and in the name of Assignee or its designee. Assignor authorizes the attorneys of record in the application to insert in this assignment the filing date and application number of the Application when officially known. Assignor:

(a) declares: (1) The application was made or authorized to be made by me, (2) I believe myself, as a named inventor, to be the original inventor or an original joint inventor of a claimed invention in the Application and I understand that any willful false statement made by me in this paragraph is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five years, or both;

(b) warrants except in favor of Assignee: (1) Assignor is the owner of all its rights, title and interests herein assigned and has the right to make this unconditional and irrevocable assignment to Assignee

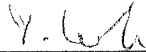
without obtaining any approval or permission of a third party; and (2) there are no outstanding encumbrances, liens, prior assignments, licenses, or other obligations or restrictions on the rights, title and interests herein assigned; and

(c) agrees to execute, upon the request of Assignee or its designee at no expense to Assignor, all applications or documents related to the inventions including, but without limitation, any oath, declaration, or affidavit relating thereto that Assignee may deem necessary or expedient, and to fully cooperate with Assignee and/or its designee to perform all affirmative acts requested to prepare, file, prosecute, maintain, defend, enforce, and vest in Assignee the rights, title, and interests assigned herein whereby said rights, title and interests will be held and enjoyed by Assignee or its designee to the full end of the term for which the intellectual property rights herein may be available as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment had not been made.

On behalf of Assignee, **ppa. Dr. Tanja Kroth**  
**Senior Counsel**

AMGEN Research (Munich) GmbH  
Name  
Staffelseestrasse 2  
81477 München  
Phone: +49 (89) 895277-290 • Fax: 105  
Title

hereby confirms Assignee's acceptance.

  
Signature

April 13, 2017  
Date

On behalf of Assignee,

**Dr. Robert Saller**  
Exec. Director Program Management  
Managing Director Amgen Research  
AMGEN Research (Munich) GmbH  
Staffelseest. 2 - 81477 München  
Phone: +49 (89) 895277-0  
Name

Title

hereby confirms Assignee's acceptance.

Signature

Date

WITNESS our hands this 7th day of February, 2017.

Witnesses:

1)

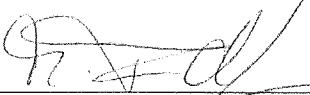
Benno Rattel  
Name: Benno Rattel

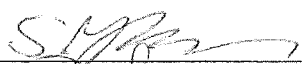
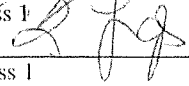
Witness 1

Witness 2

A-150

WITNESS our hands this 15 day of February, 2017.

Witnesses:  
2)   
Name: Matthias Friedrich

  
Witness 1  
  
Witness 1

WITNESS our hands this 73th day of March, 2017.

Witnesses:

3)

Peter Kufer  
Name: Peter Kufer

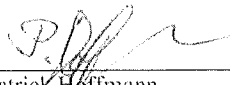
Cyba Mangioni  
Witness 1


Bj  
Witness 2

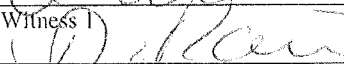
WITNESS our hands this 7th day of February, 2017.

Witnesses:

4)

  
Name: Patrick Hoffmann

  
Witness 1

  
Witness 2

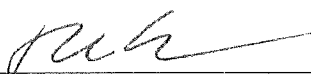


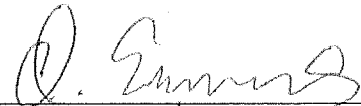
WITNESS our hands this

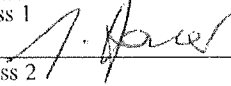
2nd day of February 2012.

Witnesses:

5)

  
Name: Tobias Raum

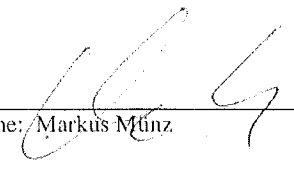
  
Witness 1

  
Witness 2

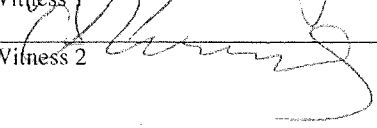
WITNESS our hands this 21 day of Feb, 2017.

Witnesses:

6)

  
Name: Markus Münz

  
Witness

  
Witness 2

WITNESS our hands this 2nd day of February, 2017.

Witnesses:

7)

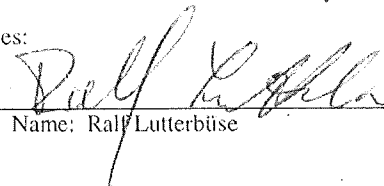
Ines Herrmann  
Name: Ines Herrmann


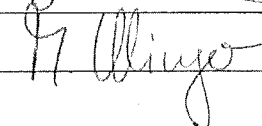
[Signature]  
Witness 1

F. Ball  
Witness 2

WITNESS our hands this 7<sup>th</sup> day of Feb 2017.

Witnesses:

8)   
Name: Ralf Lutterbüse

  
Witness 1  
  
Witness 2

WITNESS our hands this

2nd

day of

February

2017

Witnesses:

9)

Elisabeth Nahrwold  
Name: Elisabeth Nahrwold

[Signature]  
Witness 1

[Signature]  
Witness 2