

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5129741

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KEVIN GORSKI	08/28/2017
JANE R. PARNES	09/06/2017
MICHAEL J. BOEDIGHEIMER	09/07/2017
ANDREW A. WELCHER	09/12/2017
JEANNETTE BIGLER	08/16/2018
RECEIVING PARTY DATA	
Name:	AMGEN INC.
Street Address:	ONE AMGEN CENTER DRIVE
City:	THOUSAND OAKS
State/Country:	CALIFORNIA
Postal Code:	91320-1799
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15311635
CORRESPONDENCE DATA	
Fax Number:	
<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:	312-474-6300
Email:	docket@marshallip.com, tsevcik@marshallip.com
Correspondent Name:	KATHERINE L. NEVILLE
Address Line 1:	233 S. WACKER DRIVE
Address Line 2:	SUITE 6300
Address Line 4:	CHICAGO, ILLINOIS 60606
ATTORNEY DOCKET NUMBER:	32053/48162
NAME OF SUBMITTER:	KATHERINE L. NEVILLE
SIGNATURE:	/KATHERINE L. NEVILLE/
DATE SIGNED:	09/07/2018
Total Attachments: 11	

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ASSIGNMENT

Whereas, I/we, GORSKI, Kevin, 28 Curlew Way, Novato, CA 94949, USA;

PARNES, Jane R., 5832 Middle Crest Drive, Agoura Hills, CA 91301, USA;

BIGLER, Jeannette, 3200 NE 92nd Street, Seattle, WA, 98115, USA;

BOEDIGHEIMER, Michael J., 3192 Holloway Court, Newbury Park, CA 91320, USA;

WELCHER, Andrew A., 1175 Church Street, Ventura, CA, 93001, USA.

(hereinafter referred to as ASSIGNOR), have made an invention which is the subject of an application for Letters Patent of the United States; and/or is the subject of a provisional application; and/or is the subject of an international application; and/or is the subject of other patent application(s) in other jurisdictions worldwide ("Application") entitled

which is found in:

Assay for Detecting TH1 and TH2 Cell Populations

- ☒ US Application Serial No.: 15/311,635 filed on 11-16-2016; which is the US national stage entry of International Application No. PCT/US2015/030940 filed 05-15-2015; which claims the benefit of U.S. Provisional Application No. 61/994,430 filed on 05-16-2014.

Whereas AMGEN INC., a Delaware corporation having its principal place of business at One Amgen Center Drive, Thousand Oaks, California 91320-1799 wishes to acquire the entire right, title, and interest in all inventions disclosed in such Application;

Now, therefore, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby sells, assigns, transfers and sets over unto AMGEN INC., its successors and assigns (collectively "ASSIGNEE") ASSIGNOR'S entire right, title and interest in, to and under the Application, and any provisional application(s) from which Application is derived, and all priority rights to which the Application may be entitled, including all priority rights for other countries arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries which may be granted for such inventions, or any of them, including divisional, continuation, continuation-in-part, substitute, reissue, and/or reexamination applications based on the above identified Application, all such inventions and all rights in such Application and Letters Patent to be held and enjoyed by ASSIGNEE for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, and any extensions thereof, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this assignment and sale not been made.

Further, ASSIGNOR hereby sells, assigns, transfers, and sets over unto ASSIGNEE ASSIGNOR'S entire right, title and interest in or to the right to refer to, to access, and to control microorganism(s) or other biological material(s) related to the Application and which are deposited by ASSIGNOR or at ASSIGNOR'S direction or deposited on ASSIGNOR'S behalf by ASSIGNEE, its affiliates, employees, or employees of its affiliates. The transfer of such right, title and interest includes, without limitation, ASSIGNOR'S unreserved and irrevocable consent and authorization to ASSIGNEE to refer to the deposited microorganism(s) or other biological material(s) in the Application and the right to make available to the public the deposited material in accordance with the laws, treaties, statutes, rules, regulations and the like of the United States, all other countries, and any patent granting authority or organization.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and any foreign Patent Office authority to issue any such Letters Patent which may be granted on the Application to ASSIGNEE as assignee of the entire right, title and interest therein and thereto.

For ASSIGNOR and for ASSIGNOR'S legal representatives, ASSIGNOR covenants and agrees with ASSIGNEE that ASSIGNOR has not granted to any others any license to make, use or sell any of such inventions, that ASSIGNOR'S right, title and interest in such inventions has not been encumbered, that ASSIGNOR has good right and title to sell and assign the same, and that ASSIGNOR will not execute any instrument in conflict herewith.

For ASSIGNOR and for ASSIGNOR'S heirs, successors and legal representatives, ASSIGNOR further covenants and agrees with ASSIGNEE that upon request ASSIGNOR and ASSIGNOR'S heirs, successors and legal representatives will: (i) execute continuing, divisional, substitute, reexamination, and/or reissue applications, amended specifications, or rightful declarations or oaths; (ii) communicate to ASSIGNEE any facts known to ASSIGNOR or ASSIGNOR'S heirs, successors and legal representatives relating to such inventions or the history thereof; (iii) execute preliminary statements and testify in any interference proceedings or litigation; (iv) execute and deliver any application papers, assignments, or other instruments; and (v) do all other acts which, in the opinion of counsel for ASSIGNEE, may be necessary or desirable to secure the grant of Letters Patent to ASSIGNEE or its nominees, in the United States and in all other countries where ASSIGNEE may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by counsel for ASSIGNEE and to vest and confirm in ASSIGNEE or its nominees the full and complete legal and equitable title to all such Letters Patent, without further consideration than that now paid at the expense of ASSIGNEE.

DECLARATION OF ACCEPTANCE

On behalf of Assignee,

Stuart L. Watt

Name

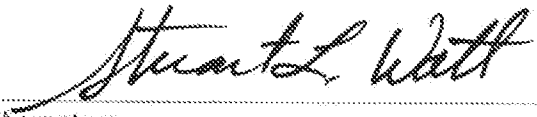
Vice President, Law and Intellectual Property
Officer

Title

hereby confirms Assignee's acceptance.

Date

Aug. 28, 2018



Signature

In Witness Whereof I have executed this assignment on 08, 28 20 17
(Month, Day) (Year)

GORSKI, Kevin
(Name of Inventor)

(Signature of Inventor)

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }
County of San Mateo }

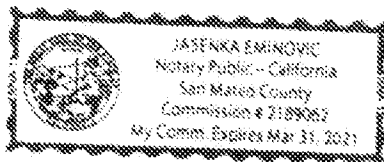
On August 28, 2017 before me, JASENKA EMINOVIC,
Notary Public, personally appeared

GORSKI, Kevin

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Place Notary Seal Above

Signature: _____

In Witness Whereof I have executed this assignment on Sept. 6 2017
 (Month, Day) (Year)

Jane R. PARNES
 (Name of Inventor)

Jane R. Parnes
 (Signature of Inventor)

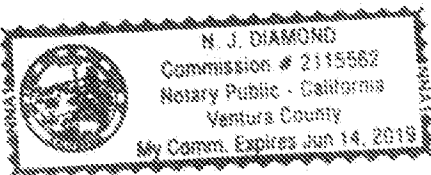
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }

County of Ventura }

On September 6, 2017 before me, N. J. Diamond
 Notary Public, personally appeared

Jane R. PARNES



who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Place Notary Seal Above

Signature: *N. J. Diamond*

In Witness Whereof I have executed this assignment on _____ 20_____
(Month, Day) (Year)

BIGLER, Jeannette
(Name of Inventor) (Signature of Inventor)

UNITED STATES OF AMERICA

State of Washington }
County of _____ } ss.

I certify that I know or have satisfactory evidence that _____
BIGLER, Jeannette
Name of Signer

is the person who appeared before me, and said
person acknowledged that he/she signed this
instrument and acknowledged it to be his/her free
and voluntary act for the uses and purposes
mentioned in the instrument.

Dated: _____
Month/Day/Year

Signature of Notarizing Officer

Title

My appointment expires:

Place Notary Seal and/or Stamp Above

Month/Day/Year of Appointment Expiration

In Witness Whereof I have executed this assignment on 9/7 2017
(Month, Day) (Year)

Michael J. BOEDIGHEIMER

(Name of Inventor)

[Signature]

(Signature of Inventor)

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }

County of Ventura }

On September 7, 2017 before me, N. J. Diamond

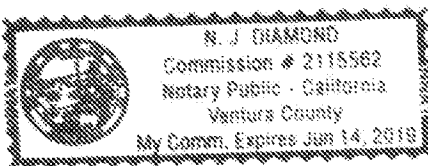
Notary Public, personally appeared

Michael J. BOEDIGHEIMER

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Place Notary Seal Above

Signature: *[Signature]*

In Witness Whereof I have executed this assignment on Sept. 12 2017
(Month, Day) (Year)

Andrew A. WELCHER
(Name of Inventor)

Andrew A. Welcher
(Signature of Inventor)

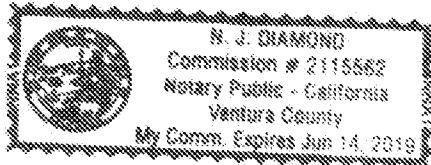
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }

County of Ventura }

On Sept. 12, 2017 before me, N. J. Diamond
Notary Public, personally appeared

Andrew A. WELCHER



who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Place Notary Seal Above

Signature: N. J. Diamond

MARSHALL, GERSTEIN & BORUN LLP, 233 S. Wacker Drive, 6330 Willis Tower, Chicago, Illinois 60606-6357

ASSIGNMENT

Appl. No.: 15/311,635

Filed: November 16, 2016

Title: Assay for Detecting TH1 and TH2 Cell Populations

For good and valuable consideration, the receipt and sufficiency of which are hereby agreed, Jeannette Bigler ("Assignor") agrees to assign and hereby does assign to AMGEN INC., One Amgen Center Drive, Thousand Oaks, California 91320-1799 ("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 this 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;

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(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.

32053/48162

WITNESS my hand this 16 day of August, 2018.
State of Washington
County of King J. Bigler
Jaannette Bigler

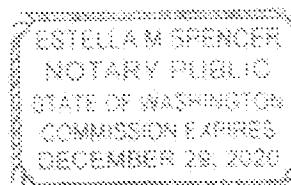
On this 16th day of August, 2018, before me, a
Notary Public in and for the County and State aforesaid, appeared
Jaannette Bigler, known to me personally or proved to me on the
basis of satisfactory evidence to be the same person/persons whose name is/are subscribed to the
foregoing instrument and acknowledged that ~~he~~she executed said instrument as her free and
voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.

My Commission Expires:

12-29-2020

Estella M. Spencer
Notary Public
Estella M. Spencer



32063/48162