PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5266957

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LIQI HE	10/22/2018
SANJEEV GANGWAR	10/22/2018
SHOSHANA L. POSY	11/08/2018
YAM B. POUDEL	10/29/2018
PRASANNA SIVAPRAKASAM	11/09/2018

RECEIVING PARTY DATA

Name:	BRISTOL-MYERS SQUIBB COMPANY
Street Address:	ROUTE 206 AND PROVINCE LINE ROAD
Internal Address:	PATENT DEPARTMENT
City:	PRINCETON
State/Country:	UNITED STATES
Postal Code:	08543

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	16103601
PCT Number:	US1800245

CORRESPONDENCE DATA

Fax Number: (609)252-4526

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.

Phone: 650-260-9834 Email: patents@bms.com YUAN CHAO Correspondent Name:

Address Line 1: **ROUTE 206 AND PROVINCE LINE ROAD**

Address Line 2: PATENT DEPARTMENT

Address Line 4: PRINCETON, NEW JERSEY 08543

ATTORNEY DOCKET NUMBER: 12990WOPCT-12990USNP NAME OF SUBMITTER: **EVELYN VAZQUEZ** SIGNATURE: /evelyn vazquez/ **DATE SIGNED:** 12/05/2018

PAIENI **REEL: 047677 FRAME: 0307** 505220189

Total Attachments: 6

source=20191205_ASG_12990WOPCT.12990USNP#page1.tif

source=20191205_ASG_12990WOPCT.12990USNP#page2.tif

source=20191205_ASG_12990WOPCT.12990USNP#page3.tif

source=20191205_ASG_12990WOPCT.12990USNP#page4.tif

source=20191205_ASG_12990WOPCT.12990USNP#page5.tif

source=20191205_ASG_12990WOPCT.12990USNP#page6.tif

PATENT REEL: 047677 FRAME: 0308

ASSIGNMENT

We.

Liqi HE, Sanjeev GANGWAR, Shoshana L. POSY, Yam B. POUDEL, and Prasanna SIVAPRAKASAM

pursuant to contractual obligations heretofore assumed by us and/or for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, do hereby sell and assign to **Bristol-Myers Squibb Company**, a Delaware corporation, having a place of business at Route 206 and Province Line Road, Princeton, NJ 08543 and its successors, assigns and legal representatives, all our right, title and interest, which includes the right to and full benefit of such priorities as may now or hereafter be granted to us by local laws or by treaty, including any international convention for the protection of industrial property, in and for all countries of the world, including the United States and its territories and possessions, in and to the invention entitled:

TOLL-LIKE RECEPTOR 7 (TLR7) AGONISTS HAVING A HETEROBIARYL MOIETY, CONJUGATES THEREOF, AND METHODS AND USES THEREFOR invented by us and described in the

non-provisional United States Patent Application Number 16/103,601, filed August 14, 2018, and PCT International Patent Application Number PCT/US2018/000245, filed August 16, 2018, including said non-provisional United States patent application and PCT International Patent Application and any patent application claiming priority from above identified patent applications, filed in any country, and any patents which may be issued and/or granted thereon, and all divisions, continuations, reissues, reexamination certificates and extensions thereof in all countries, said interest being the entire ownership of said invention and all of said patent applications, patents (including reissue patents), extensions and reexamination certificates to be held and enjoyed by Bristol-Myers Squibb Company and its successors and assigns to the full end of the terms to which said patents (including reissue patents), extensions and reexamination certificates may be granted and/or issued, as fully and entirely as the same would have been held and enjoyed by us if this sale, assignment and transfer had not been made; and we hereby agree to communicate to said assignee or its representatives any facts known to us respecting said invention, to testify in any legal proceedings, to sign and/or execute any further documents and/or instruments which may be necessary, lawful and proper in and/or for the filing and/or prosecution of all patent applications, including divisional, continuation and reissue applications, extensions and reexamination certificates and/or the granting and/or issuance thereof and/or to otherwise secure title to said invention and all of said patent applications, patents (including reissue patents), extensions and

> PATENT REEL: 047677 FRAME: 0309

reexamination certificates in said assignee, and in general to do everything possible to aid said assignee and its successors and assigns to obtain and enforce proper protection for said invention in all countries.

Signed this 2111 day of October 2018, by Ligi HE

NOTARIAL CERTIFICATE

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT CIVIL CODE § 1189

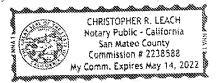
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

UNITED STATES OF AMERICA) STATE OF CALIFORNIA COUNTY OF SAN MATEO

before me, Christopher R. Leach - Notary Public,

Here Insert Name and Title of the Officer

personally appeared Liqi HE, 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.

Signature of Notary Public

Signed this 22 day of October, 2018, by Sanjeev GANGWAR

NOTARIAL CERTIFICATE

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT CIVIL CODE § 1189

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.

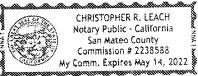
UNITED STATES OF AMERICA)
STATE OF CALIFORNIA
COUNTY OF SAN MATEO
)

O(1) on O(1) on O(1) before me,

before me, Christopher R. Leach - Notary Public,

Here Insert Name and Title of the Officer

personally appeared <u>Sanjeev GANGWAR</u>, 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/their executed the same in his/her/their authorized capacity(iss), 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 may hand and official seal.

Signature of Notary Public

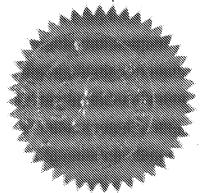
Place Notary Seal Above

Signed this	€	day of	November, 2018.	by		lon	<u> </u>	
3		. 3			•	Shos	hana 🖇	POSV

NOTARIAL CERTIFICATE

STATE OF NEW JERSEY COUNTY OF MERCER)) ss.)	
OPA	, «	3

On this day of your 2018, personally appeared before me, Shoshana L. POSY, known or identified to me to be the individual(s) described in and who executed the foregoing Assignment and acknowledged the same as a free act and deed for uses and purposes therein expressed.



ary Public (/

SHARON MAY
NOTARY PUBLIC OF NEW JERSEY
Comm. # 2411644
My Commission Expires 8/23/2021

Signed this 25 day of october, 2018	3, byYam B. POUDEL
NOTARIAL	CERTIFICATE
CALIFORNIA ALL-PURPOSE ACKI	NOWLEDGMENT CIVIL CODE § 1189
A notary public or other officer completing this certific signed the document to which this certificate is attach validity of that document.	ate verifies only the identity of the individual who led, and not the truthfulness, accuracy, or
UNITED STATES OF AMERICA) STATE OF CALIFORNIA COUNTY OF SAN MATEO On Oheore me. Ch	ristopher R. Leach - Notary Public.
personally appeared Yam B. POUDEL, who prov	Here Insert Name and Title of the Officer red to me on the basis of satisfactory evidence to be the tin instrument and acknowledged to me that he/she/their signature(s) on the
CHRISTOPHER R. LEACH Notary Public - California San Mateo County Commission # 2238588 My Comm. Expires May 14, 2022	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. Signature of Notary Public
Place Notary Seal Above	

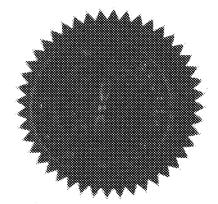
5

Signed this day of November 2018,	by	g. Prasau
way at a management of the state of the stat		Prasanna SIVAPRAKASAM

NOTARIAL CERTIFICATE

UNITED STATES OF AMERICA)
STATE OF NEW JERSEY) \$8
COUNTY OF MERCER	}

On this day of November, 2018, personally appeared before me, Prasanna SIVAPRAKASAM, known or identified to me to be the individual(s) described in and who executed the foregoing Assignment and acknowledged the same as a free act and deed for uses and purposes therein expressed.



Notary Public

SHARON MAY NOTARY PUBLIC OF NEW JERSEY Comm. # 2411644 My Commission Expires 8/23/2021