

APOSTILLE

(Convention de La Haye du 5 octobre 1961)

1. Country: United States of America

This public document

2. has been signed by Sylvia Holley

3. acting in the capacity of Certifying Officer

4. bears the seal/stamp of U.S. Patent and Trademark Office, Department of Commerce

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5. at Washington, D.C.

6. the seventh of March, 2022

7. by Assistant Authentication Officer, United States Department of State

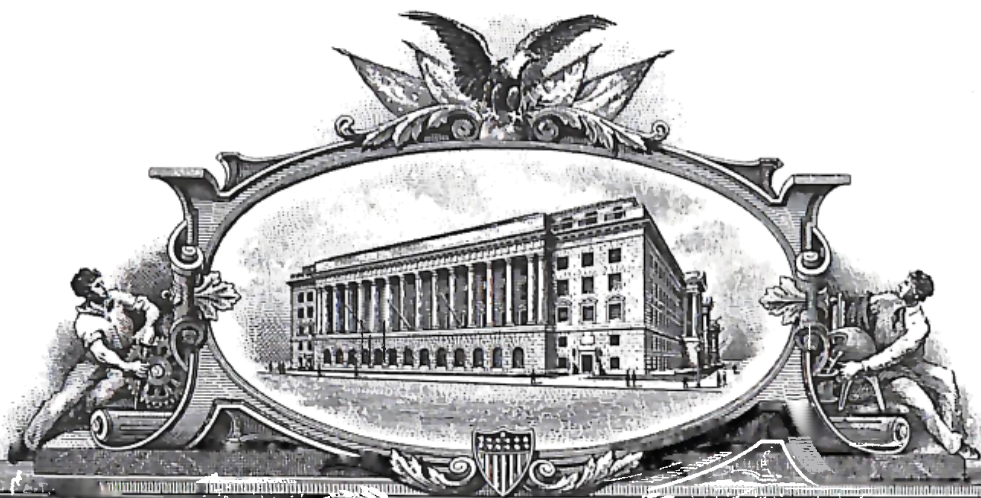
8. No. 22022860-3

9. Seal/Stamp:

10. Signature:

Keith Key
Keith Key

8211327



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

**UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office**

February 11, 2022

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November 12, 2021

**By Authority of the
Under Secretary of Commerce for Intellectual Property
and Director of the United States Patent and Trademark Office**

[Signature]
**Sylvia Holley
Certifying Officer**



PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7021645

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KEVIN KISH	09/28/2021
JOSEPH M. LUETTGEN	07/22/2021
STEVEN SHERIFF	07/13/2021
WILLIAM R. EWING	07/09/2021
LUMELLE SCHNEEWEIS	07/08/2021
GINGER CHAO RAKESTRAW	07/29/2021
ANDREW KARL DILGER	08/25/2021
CHRISTINA TERRAGNI	07/14/2021
JASON ROBERT PINCKNEY	07/13/2021
YONGMI AN	07/20/2021

RECEIVING PARTY DATA

Name:	BRISTOL-MYERS SQUIBB COMPANY
Street Address:	ROUTE 206 AND PROVINCE LINE ROAD
City:	PRINCETON
State/Country:	NEW JERSEY
Postal Code:	08543

PROPERTY NUMBERS Total: 3

Property Type	Number
Application Number:	63135016
Application Number:	63148767
Application Number:	63152595

CORRESPONDENCE DATA

Fax Number:

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: 6175426000

Email: SACHandler@mintz.com

Correspondent Name: MINTZ

Address Line 1: ONE FINANCIAL CENTER

Address Line 4: BOSTON, MASSACHUSETTS 02111

PATENT

ATTORNEY DOCKET NUMBER:	055920-553P01P02P03P04US
NAME OF SUBMITTER:	MICHELLE HOLMES-SON
SIGNATURE:	/MICHELLE HOLMES-SON/
DATE SIGNED:	11/12/2021

Total Attachments: 12

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ASSIGNMENT

We,

KEVIN KISH, JOSEPH M. LUETTGEN, STEVEN SHERIFF, WILLIAM R. EWING, LUMELLE SCHNEEWEIS, GINGER CHAO RAKESTRAW, ANDREW KARL DILGER, CHRISTINA TERRAGNI, JASON ROBERT PINCKNEY, YONGMI AN

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 and/or confirm the sale and assignment 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, of 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:

**ANTIBODIES AND ANTIGEN BINDING PEPTIDES FOR FACTOR XIA INHIBITORS AND USES
THEREOF**

Invented by us and described in the United States provisional Patent Applications:

Application Number 63/135016, filed 08 Jan 2021

Application Number 63/148767, filed 12 Feb 2021

Application Number 63/152595, filed 23 Feb 2021

Including said United States provisional Patent Application and any patent application claiming priority from said United States provisional Patent Application, 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 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 28 day of September, 2021, by 
KEVIN KISH

Signed this _____ day of _____, 2021, by _____
JOSEPH M. LUETTGEN

Signed this _____ day of _____, 2021, by _____
STEVEN SHERIFF

Signed this _____ day of _____, 2021, by _____
WILLIAM R. EWING

Signed this _____ day of _____, 2021, by _____
LUMELLE SCHNEEWEIS

Signed this _____ day of _____, 2021, by _____
GINGER CHAO RAKESTRAW

Signed this _____ day of _____, 2021, by _____
ANDREW KARL DILGER

Signed this _____ day of _____, 2021, by _____
CHRISTINA TERRAGNI

Signed this _____ day of _____, 2021, by _____
JASON ROBERT PINCKNEY

Signed this _____ day of _____, 2021, by _____
YONGMI AN

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 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 _____ day of _____, 2021, by _____
KEVIN KISH

Signed this 22nd day of July, 2021, by *Joseph M. Luetgen*
JOSEPH M. LUETTGEN

Signed this _____ day of _____, 2021, by _____
STEVEN SHERIFF

Signed this _____ day of _____, 2021, by _____
WILLIAM R. EWING

Signed this _____ day of _____, 2021, by _____
LUMELLE SCHNEEWEIS

Signed this _____ day of _____, 2021, by _____
GINGER CHAO RAKESTRAW

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 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 _____ day of _____, 2021, by _____
KEVIN KISH

Signed this _____ day of _____, 2021, by _____
JOSEPH M. LUETTGEN

Signed this 13 day of July, 2021, by 
STEVEN SHERIFF

Signed this _____ day of _____, 2021, by _____
WILLIAM R. EWING

Signed this _____ day of _____, 2021, by _____
LUMELLE SCHNEEWEIS

Signed this _____ day of _____, 2021, by _____
GINGER CHAO RAKESTRAW

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 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 _____ day of _____, 2021, by _____
KEVIN KISH

Signed this _____ day of _____, 2021, by _____
JOSEPH M. LUETTGEN

Signed this _____ day of _____, 2021, by _____
STEVEN SHERIFF

Signed this 9th day of July, 2021, by William R. Ewing
WILLIAM R. EWING

Signed this _____ day of _____, 2021, by _____
LUMELLE SCHNEEWEIS

Signed this _____ day of _____, 2021, by _____
GINGER CHAO RAKESTRAW

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 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 _____ day of _____, 2021, by _____
KEVIN KISH

Signed this _____ day of _____, 2021, by _____
JOSEPH M. LUETTGEN

Signed this _____ day of _____, 2021, by _____
STEVEN SHERIFF

Signed this _____ day of _____, 2021, by _____
WILLIAM R. EWING

Signed this 8 day of July, 2021, by 
LUMELLE SCHNEEWEIS

Signed this _____ day of _____, 2021, by _____
GINGER CHAO RAKESTRAW

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 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 _____ day of _____, 2021, by _____
KEVIN KISH

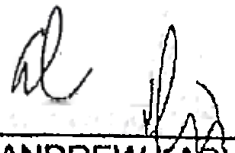
Signed this _____ day of _____, 2021, by _____
JOSEPH M. LUETTGEN

Signed this _____ day of _____, 2021, by _____
STEVEN SHERIFF

Signed this _____ day of _____, 2021, by _____
WILLIAM R. EWING

Signed this _____ day of _____, 2021, by _____
LUMELLE SCHNEEWEIS

Signed this 29 day of July, 2021, by 
GINGER CHAO RAKESTRAW

Signed this 25th day of August, 2021, by 
ANDREW KARL DILGER

Signed this _____ day of _____, 2021, by _____
CHRISTINA TERRAGNI

Signed this _____ day of _____, 2021, by _____
JASON ROBERT PINCKNEY

Signed this _____ day of _____, 2021, by _____
YONGMI AN

Signed this _____ day of _____, 2021, by _____
ANDREW KARL DILGER

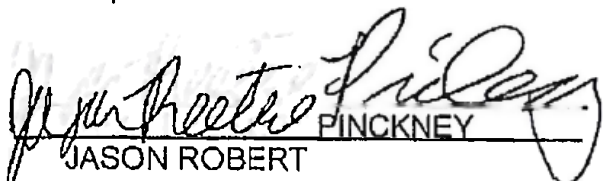
Signed this 14 day of July, 2021, by Christina Terragni
CHRISTINA TERRAGNI

Signed this _____ day of _____, 2021, by _____
JASON ROBERT PINCKNEY

Signed this _____ day of _____, 2021, by _____
YONGMI AN

Signed this _____ day of _____, 2021, by _____
ANDREW KARL DILGER

Signed this _____ day of _____, 2021, by _____
CHRISTINA TERRAGNI

Signed this 13 day of July, 2021, by 
JASON ROBERT PINCKNEY

Signed this _____ day of _____, 2021, by _____
YONGMI AN

Signed this _____ day of _____, 2021, by _____
ANDREW KARL DILGER

Signed this _____ day of _____, 2021, by _____
CHRISTINA TERRAGNI

Signed this _____ day of _____, 2021, by _____
JASON ROBERT PINCKNEY

Signed this 20 day of July, 2021, by _____
YONGMI AN