

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

Assignment ID: PATI45691

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Gary J. Nabel	03/06/2019
Chih-Jen Wei	03/06/2019
Laura Nguyen	03/06/2019
Kurt Swanson	03/06/2019
Te-Hui Chou	03/06/2019
Stefan Koester	03/06/2019
RECEIVING PARTY DATA	
Company Name:	SANOFI
Street Address:	46 AVENUE DE LA GRANDE ARMÉE
City:	Paris
State/Country:	FRANCE
Postal Code:	75017
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	18335893
CORRESPONDENCE DATA	
Fax Number:	6178121277
<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:	(617)430-4740
Email:	docketing@mcneillbaur.com,catherine.langlais@mcneillbaur.com
Correspondent Name:	McNeill Baur PLLC
Address Line 1:	125 Cambridge Park Drive
Address Line 2:	Suite 301
Address Line 4:	Cambridge, MASSACHUSETTS 02140
ATTORNEY DOCKET NUMBER:	01121-0032-02US-T1
NAME OF SUBMITTER:	Catherine Langlais
SIGNATURE:	Catherine Langlais
DATE SIGNED:	02/22/2024

Total Attachments: 10

source=2022-01-18_01121-0032-00US_Corrective_Assignment#page1.tif
source=2022-01-18_01121-0032-00US_Corrective_Assignment#page2.tif
source=2022-01-18_01121-0032-00US_Corrective_Assignment#page3.tif
source=2022-01-18_01121-0032-00US_Corrective_Assignment#page4.tif
source=2022-01-18_01121-0032-00US_Corrective_Assignment#page5.tif
source=2022-01-18_01121-0032-00US_Corrective_Assignment#page6.tif
source=2022-01-18_01121-0032-00US_Corrective_Assignment#page7.tif
source=2022-01-18_01121-0032-00US_Corrective_Assignment#page8.tif
source=2022-01-18_01121-0032-00US_Corrective_Assignment#page9.tif
source=2022-01-18_01121-0032-00US_Corrective_Assignment#page10.tif

ASSIGNMENT

WHEREAS We, the below named inventors (hereinafter referred to as Assignors) have made an invention entitled:

ANTIGENIC EPSTEIN BARR VIRUS POLYPEPTIDES

for which a provisional United States patent application was filed on April 3, 2018 (Application No. 62/652,201); and,

54 rue La Boétie, 75008 Paris, FRANCE

WHEREAS, SANOFI, a corporation whose post office address is ~~55 Corporate Drive, Mail Code 55A 505A, Bridgewater, New Jersey 08807~~ (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to this provisional patent application and any subsequent application filed in any jurisdiction throughout the world claiming priority to this provisional application, and in and to any Letters Patent to be issued upon this provisional application or on an application claiming priority to this provisional application in any jurisdiction throughout the world; GTN

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, We, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention, and this provisional application, and to all applications in any worldwide jurisdiction that claim priority to this provisional application, including all divisions and continuations thereof, and all Letters Patent in any worldwide jurisdiction that may be granted thereon, including all reissues, reexaminations, renewals, extensions, and supplemental patent certificates thereof. We have also sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns all rights to claim priority in any worldwide jurisdiction on the basis of the above provisional application. We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country.

IN TESTIMONY WHEREOF, We have hereunto set our hands.

County of Middlesex)
Commonwealth)
State of Massachusetts)

ss.

Name: Gary J. Nabel
Address: 640 Memorial Pk
Cambridge MA
By: [Signature]
Date: 3-6-19

Subscribed and sworn to before me this 6 day of March, 2019
[Signature], Notary Public

County of Middlesex)
Commonwealth)
State of Massachusetts)

ss.

Name: Chih-Jen Wei
Address: 270 Albany St.
Cambridge MA 02137
By: [Signature]
Date: 3-6-2019

Subscribed and sworn to before me this 6 day of March, 2019
[Signature], Notary Public

ASSIGNMENT

WHEREAS We, the below named inventors (hereinafter referred to as Assignors) have made an invention entitled:

ANTIGENIC EPSTEIN BARR VIRUS POLYPEPTIDES

for which a provisional United States patent application was filed on April 3, 2018 (Application No. 62/652,201); and,

54 rue La Boétie, 75008 Paris, FRANCE

WHEREAS, SANOFI, a corporation whose post office address is ~~55 Corporate Drive, Mail Code 55A-505A, Bridgewater, New Jersey 08807~~ (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to this provisional patent application and any subsequent application filed in any jurisdiction throughout the world claiming priority to this provisional application, and in and to any Letters Patent to be issued upon this provisional application or on an application claiming priority to this provisional application in any jurisdiction throughout the world;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, We, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention, and this provisional application, and to all applications in any worldwide jurisdiction that claim priority to this provisional application, including all divisions and continuations thereof, and all Letters Patent in any worldwide jurisdiction that may be granted thereon, including all reissues, reexaminations, renewals, extensions, and supplemental patent certificates thereof. We have also sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns all rights to claim priority in any worldwide jurisdiction on the basis of the above provisional application. We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country.

IN TESTIMONY WHEREOF, We have hereunto set our hands.

County of Middlesex)
Commonwealth of Massachusetts)
State of Massachusetts)

ss.

Name: Gary J. Nabel
Address: 640 Memorial Dr
Cambridge MA
By: [Signature]
Date: 3-6-19

Subscribed and sworn to before me this 6 day of March, 2019
[Signature], Notary Public

County of Middlesex)
Commonwealth of Massachusetts)
State of Massachusetts)

ss.

Name: Chih-Jen Wei
Address: 270 Albany St.
Cambridge MA 02139
By: [Signature]
Date: 3-6-2019

Subscribed and sworn to before me this 6 day of Mar, 2019
[Signature], Notary Public

ASSIGNMENT

WHEREAS We, the below named inventors (hereinafter referred to as Assignors) have made an invention entitled:

ANTIGENIC EPSTEIN BARR VIRUS POLYPEPTIDES

for which a provisional United States patent application was filed on April 3, 2018 (Application No. 62/652,201); and,
54 rue La Boétie, 75008 Paris, FRANCE *21*

WHEREAS, SANOFI, a corporation whose post office address is ~~55 Corporate Drive, Mail Code 55A 505A, Bridgewater, New Jersey 08807~~ (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to this provisional patent application and any subsequent application filed in any jurisdiction throughout the world claiming priority to this provisional application, and in and to any Letters Patent to be issued upon this provisional application or on an application claiming priority to this provisional application in any jurisdiction throughout the world;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, We, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention, and this provisional application, and to all applications in any worldwide jurisdiction that claim priority to this provisional application, including all divisions and continuations thereof, and all Letters Patent in any worldwide jurisdiction that may be granted thereon, including all reissues, reexaminations, renewals, extensions, and supplemental patent certificates thereof. We have also sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns all rights to claim priority in any worldwide jurisdiction on the basis of the above provisional application. We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country.

IN TESTIMONY WHEREOF, We have hereunto set our hands.

County of Essex)
Commonwealth of Massachusetts)
State of Massachusetts)

Name: Gary J. Nabel
Address: 640 Memorial Dr
Cambridge MA
By: [Signature]
Date: 3-6-19

Subscribed and sworn to before me this 6 day of March, 2019
[Signature], Notary Public

County of Essex)
Commonwealth of Massachusetts)
State of Massachusetts)

Name: Chih-Jen Wei
Address: 270 Albany St.
Cambridge MA 02139
By: [Signature]
Date: 3-6-2019

Subscribed and sworn to before me this 6 day of Mar, 2019
[Signature], Notary Public

County of Middlesex)
Commonwealth)
State of Massachusetts)

ss. Name: Laura Nguyen
Address: 270 Albany St.
Cambridge, MA 02139
By: Laura Nguyen
Date: 3-6-19

Subscribed and sworn to before me this 6 day of March, 2019
Russell T. Sweeney, Notary Public

County of Middlesex)
Commonwealth)
State of Massachusetts)

ss. Name: Kurt Swanson
Address: 270 Albany
Cambridge MA 02139
By: [Signature]
Date: 3-6-2019

Subscribed and sworn to before me this 6 day of March, 2019
Russell T. Sweeney, Notary Public

County of Middlesex)
Commonwealth)
State of Massachusetts)

ss. Name: Te-Hui Chou
Address: 22 Stonebridge Rd
Weymouth, MA 01978
By: [Signature]
Date: 3-6-2019

Subscribed and sworn to before me this 6 day of March, 2019
Russell T. Sweeney, Notary Public

County of Middlesex)
Commonwealth)
State of Massachusetts)

ss. Name: Stefan Koester
Address: 270 ALBANY ST
CAMBRIDGE MA 02139
By: Stefan Koester
Date: 3-6-2019

Subscribed and sworn to before me this 6 day of March, 2019
Russell T. Sweeney, Notary Public

IN TESTIMONY WHEREOF, ASSIGNEE acknowledges this assignment and hereunto signed ASSIGNEE'S name to this Assignment on the date indicated below.

County of Middlesex)
Commonwealth)
State of Massachusetts)

ss. Assignee: SANOFI
Address: 55 Corporate Drive, Mail Code 55A-505A, 54 rue La Boétie
Bridgewater, New Jersey 08807 75008 Paris, FRANCE
By: [Signature]
Name: Elizabeth Mathison
Title: Head of Vaccine Patents
Date: 19 Mar 19

Subscribed and sworn to before me this 19 day of March, 2019
Russell T. Sweeney, Notary Public

ASSIGNMENT

WHEREAS We, the below named inventors (hereinafter referred to as Assignors) have made an invention entitled:

ANTIGENIC EPSTEIN BARR VIRUS POLYPEPTIDES

for which a provisional United States patent application was filed on April 3, 2018 (Application No. 62/652,201); and,

7-19-2021
54 rue La Boétie, 75008 Paris, FRANCE

WHEREAS, SANOFI, a corporation whose post office address is ~~55 Corporate Drive, Mail Code 55A 505A, Bridgewater, New Jersey 08807~~ (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to this provisional patent application and any subsequent application filed in any jurisdiction throughout the world claiming priority to this provisional application, and in and to any Letters Patent to be issued upon this provisional application or on an application claiming priority to this provisional application in any jurisdiction throughout the world;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, We, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention, and this provisional application, and to all applications in any worldwide jurisdiction that claim priority to this provisional application, including all divisions and continuations thereof, and all Letters Patent in any worldwide jurisdiction that may be granted thereon, including all reissues, reexaminations, renewals, extensions, and supplemental patent certificates thereof. We have also sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns all rights to claim priority in any worldwide jurisdiction on the basis of the above provisional application. We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country.

IN TESTIMONY WHEREOF, We have hereunto set our hands.

County of Middlesex)
Commonwealth) ss. Name: Gary J. Nabel
State of Massachusetts) Address: 1240 Memorial Dr
) Cambridge MA
By: [Signature]
Date: 3-6-19

Subscribed and sworn to before me this 6 day of March, 2019
[Signature], Notary Public

County of Middlesex)
Commonwealth) ss. Name: Chih-Jen Wei
State of Massachusetts) Address: 270 Albany St.
) Cambridge MA 02137
By: [Signature]
Date: 3-6-2019

Subscribed and sworn to before me this 6 day of March, 2019
[Signature], Notary Public

County of Middlesex)
Commonwealth)
State of Massachusetts)

ss. Name: Laura Nguyen
Address: 270 Albany St.
Cambridge, MA 02139
By: Laura Nguyen
Date: 3-6-19

Subscribed and sworn to before me this 6 day of March, 20 19
Kurt Swanson, Notary Public

County of Middlesex)
Commonwealth)
State of Massachusetts)

ss. Name: Kurt Swanson
Address: 270 Albany
Cambridge MA 02139
By: [Signature]
Date: 3-6-2019

Subscribed and sworn to before me this 6 day of March, 20 19
Kurt Swanson, Notary Public

County of Middlesex)
Commonwealth)
State of Massachusetts)

ss. Name: Te-Hui Chou
Address: 227 Stonebridge Rd
Weyland MA 01778
By: [Signature]
Date: 3-6-2019

Subscribed and sworn to before me this 6 day of March, 20 19
Kurt Swanson, Notary Public

County of Middlesex)
Commonwealth)
State of Massachusetts)

ss. Name: Stefan Koester
Address: 270 ALBANY ST
CAMBRIDGE MA 02139
By: Stefan Koester
Date: 3-6-2019

Subscribed and sworn to before me this 6 day of March, 20 19
Kurt Swanson, Notary Public

IN TESTIMONY WHEREOF, ASSIGNEE acknowledges this assignment and hereunto signed ASSIGNEE'S name to this Assignment on the date indicated below.

County of Middlesex)
Commonwealth)
State of Massachusetts)

ss. Assignee: SANOFI
Address: 55 Corporate Drive, Mail Code 55-A-505A, 54 rue La Boétie
Bridgewater, New Jersey 08807 75008 Paris, FRANCE

By: [Signature]
Name: Elizabeth Mathiesen
Title: Head of Vaccine Patents
Date: 19 Mar 19

Subscribed and sworn to before me this 19 day of March, 20 19
Kurt Swanson, Notary Public

ASSIGNMENT

WHEREAS We, the below named inventors (hereinafter referred to as Assignors) have made an invention entitled:

ANTIGENIC EPSTEIN BARR VIRUS POLYPEPTIDES

for which a provisional United States patent application was filed on April 3, 2018 (Application No. 62/652,201); and,

54 rue La Boétie, 75008 Paris, FRANCE

TWC
06/02/2021

WHEREAS, SANOFI, a corporation whose post office address is ~~55 Corporate Drive, Mail Code 55A-505A, Bridgewater, New Jersey 08807~~ (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to this provisional patent application and any subsequent application filed in any jurisdiction throughout the world claiming priority to this provisional application, and in and to any Letters Patent to be issued upon this provisional application or on an application claiming priority to this provisional application in any jurisdiction throughout the world;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, We, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention, and this provisional application, and to all applications in any worldwide jurisdiction that claim priority to this provisional application, including all divisions and continuations thereof, and all Letters Patent in any worldwide jurisdiction that may be granted thereon, including all reissues, reexaminations, renewals, extensions, and supplemental patent certificates thereof. We have also sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns all rights to claim priority in any worldwide jurisdiction on the basis of the above provisional application. We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country.

IN TESTIMONY WHEREOF, We have hereunto set our hands.

County of Essex)
Commonwealth of Massachusetts)
State of Massachusetts)

ss.

Name: Gary J. Nabel
Address: 640 Memorial Dr
Cambridge MA

By: [Signature]
Date: 2-6-19

Subscribed and sworn to before me this 6 day of March, 2019
[Signature], Notary Public

County of Essex)
Commonwealth of Massachusetts)
State of Massachusetts)

ss.

Name: Chih-Jen Wei
Address: 270 Albany St.
Cambridge MA 02139

By: [Signature]
Date: 2-6-2019

Subscribed and sworn to before me this 6 day of March, 2019
[Signature], Notary Public

County of Worcester)
Commonwealth)
State of Massachusetts)

ss. Name: Laura Nguyen
Address: 270 Albany St
Cambridge, MA 02139
By: [Signature]
Date: 3-6-19

Subscribed and sworn to before me this 6 day of March, 2019
[Signature], Notary Public

County of Worcester)
Commonwealth)
State of Massachusetts)

ss. Name: Kurt Swanson
Address: 270 Albany
Cambridge MA 02139
By: [Signature]
Date: 3-6-2019

Subscribed and sworn to before me this 6 day of March, 2019
[Signature], Notary Public

County of Worcester)
Commonwealth)
State of Massachusetts)

ss. Name: Te-Hui Chou
Address: [Signature]
By: [Signature]
Date: [Signature]

Subscribed and sworn to before me this 6 day of March, 2019
[Signature], Notary Public

County of Worcester)
Commonwealth)
State of Massachusetts)

ss. Name: Stefan Koester
Address: 270 ALBANY ST
CAMBRIDGE MA 02139
By: Stefan Koester
Date: 3-6-2019

Subscribed and sworn to before me this 6 day of March, 2019
[Signature], Notary Public

IN TESTIMONY WHEREOF, ASSIGNEE acknowledges this assignment and hereunto signed ASSIGNEE'S name to this Assignment on the date indicated below.

County of Worcester)
Commonwealth)
State of Massachusetts)

ss. Assignee: SANOFI
Address: 55 Corporate Drive, Mail Code 55-A-505-A, 54 rue La Boétie
Bridgewater, New Jersey 08807 75008 Paris, FRANCE
By: [Signature]
Name: Elizabeth Mathison
Title: Head of Vaccine Patents
Date: 19 Mar 19

Subscribed and sworn to before me this 19 day of MARCH, 2019
[Signature], Notary Public

ASSIGNMENT

WHEREAS We, the below named inventors (hereinafter referred to as Assignors) have made an invention entitled:

ANTIGENIC EPSTEIN BARR VIRUS POLYPEPTIDES

for which a provisional United States patent application was filed on April 3, 2018 (Application No. 62/652,201); and,
54 rue La Boétie, 75008 Paris, FRANCE SK

WHEREAS, SANOFI, a corporation whose post office address is ~~55 Corporate Drive, Mail Code 55A-505A, Bridgewater, New Jersey 08807~~ (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to this provisional patent application and any subsequent application filed in any jurisdiction throughout the world claiming priority to this provisional application, and in and to any Letters Patent to be issued upon this provisional application or on an application claiming priority to this provisional application in any jurisdiction throughout the world;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, We, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention, and this provisional application, and to all applications in any worldwide jurisdiction that claim priority to this provisional application, including all divisions and continuations thereof, and all Letters Patent in any worldwide jurisdiction that may be granted thereon, including all reissues, reexaminations, renewals, extensions, and supplemental patent certificates thereof. We have also sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns all rights to claim priority in any worldwide jurisdiction on the basis of the above provisional application. We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country.

IN TESTIMONY WHEREOF, We have hereunto set our hands.

County of Essex)
Commonwealth of Massachusetts)
State of Massachusetts)
ss. Name: Gary J. Nabel
Address: 640 Memorial Dr
Cambridge MA
By: [Signature]
Date: 3-6-19

Subscribed and sworn to before me this 6 day of March, 2019
[Signature], Notary Public

County of Essex)
Commonwealth of Massachusetts)
State of Massachusetts)
ss. Name: Chih-Jen Wei
Address: 270 Albany St.
Cambridge MA 02139
By: [Signature]
Date: 3-6-2019

Subscribed and sworn to before me this 6 day of Mar, 2019
[Signature], Notary Public

County of Middlesex)
Commonwealth)
State of Massachusetts)

Name: Laura Nguyen
Address: 270 Albany St.
Cambridge, MA 02139
By: Laura Nguyen
Date: 3/6/19

Subscribed and sworn to before me this 6 day of March, 2019
Russell J. Sweeney, Notary Public

County of Middlesex)
Commonwealth)
State of Massachusetts)

Name: Kurt Swanson
Address: 270 Albany
Cambridge, MA 02139
By: [Signature]
Date: 3-6-2019

Subscribed and sworn to before me this 6 day of March, 2019
Russell J. Sweeney, Notary Public

County of Middlesex)
Commonwealth)
State of Massachusetts)

Name: Te-Hui Chou
Address: 22 Stonebridge Rd
Weymouth, MA 01978
By: [Signature]
Date: 3-6-2019

Subscribed and sworn to before me this 6 day of March, 2019
Russell J. Sweeney, Notary Public

County of Middlesex)
Commonwealth)
State of Massachusetts)

Name: Stefan Koester
Address: 270 ALBANY ST
CAMBRIDGE MA 02139
By: Stefan Koester
Date: 3-6-2019

Subscribed and sworn to before me this 6 day of March, 2019
Russell J. Sweeney, Notary Public

IN TESTIMONY WHEREOF, ASSIGNEE acknowledges this assignment and hereunto signed ASSIGNEE'S name to this Assignment on the date indicated below.

County of Middlesex)
Commonwealth)
State of Massachusetts)

Assignee: SANOFI
Address: 55 Corporate Drive, Mail Code 55A-505A, 54 rue La Boétie
Bridgewater, New Jersey 08807 75008 Paris, FRANCE
By: [Signature]
Name: Elizabeth Mathison
Title: Head of Vaccine Patents
Date: 19 Mar 19

Subscribed and sworn to before me this 19 day of March, 2019
Russell J. Sweeney, Notary Public