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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEY	ANCE:	ASSIGNMENT		
CONVEYING PARTY	DATA			
		Name		Execution Date
ETIENNE SIMON-LOP	RIERE			07/20/2021
XAVIER MONTAGUTE	ELLI			07/21/2021
MATTHIEU PROT				07/20/2021
RECEIVING PARTY D	ΑΤΑ			
Name:	INSTITUT	PASTEUR		
Street Address:	25-28 RU	E DU DOCTEUR ROUX		
City:	PARIS			
State/Country:	FRANCE			
Postal Code:	75015			
PROPERTY NUMBER Property Type		Number		
Property Type	•	Number		
Application Number:		819187		
Application Number:		976148		
PCT Number:	EF	2021025053		
CORRESPONDENCE	DATA			
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TTORNEY DOCKET N	NUMBER:	B2006132EPWOUS		
NAME OF SUBMITTER		SALVATORE J. ARRIGO		
SIGNATURE:		/Salvatore J. Arrigo/		
DATE SIGNED:		08/17/2022		
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Total Attachments: 6

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ASSIGNMENT OF PATENT RIGHTS

I, **Etienne SIMON-LORIERE**, inventor of the invention identified below, declare and acknowledge that the invention was made in the performance of my Employment Contract according to French law (Article L. 611-7 of the Intellectual Property Code) which includes an inventive mission corresponding to my functions or duties, or in the performance of missions, studies, or research which are or were expressly entrusted to me. I acknowledge that my Employment Contract with INSTITUT PASTEUR has automatically transferred and assigned to INSTITUT PASTEUR, its successors and assignees, my entire right, title and interest in and to said invention.

Therefore, I (hereinafter referred to as "Assignor"):

FULL NAME OF ASSIGNOR	ADDRESS	COUNTRY
Etienne SIMON-LORIERE	INSTITUT PASTEUR	France
	25-28, rue du Docteur Roux, 75015 Paris	

confirm that I hereby assign, vest and transfer (and/or confirm such assignment, vesting or transfer) to:

FULL NAME OF ASSIGNEE(S)	BUSINESS ADDRESS(ES)
INSTITUT PASTEUR	25-28, rue du Docteur Roux, 75015 Paris, France

and its successors and assignees (collectively herein called the "Assignee"), the entire and exclusive right, title and interest **worldwide**, **including but not limited to the United States**, **Europe**, **Canada**, **Japan**, **China** and everywhere else throughout the world in the invention(s) and improvement(s) which are the subject of the patent application(s) identified as:

TITLE OF APPLICATION	FILING DATE	SERIAL NUMBER
NUCLEIC ACID VACCINE AGAINST THE SARS-CoV-2 CORONAVIRUS	February 13, 2020	EP 20305140.4
NUCLEIC ACID VACCINE AGAINST THE SARS-CoV-2 CORONAVIRUS	February 13, 2020	US 62/976,148
NUCLEIC ACID VACCINE AGAINST THE SARS-CoV-2 CORONAVIRUS	February 12, 2021	PCT/EP2021/025053

and related application(s) and patent(s), this assignment including said application(s), and all United States and foreign patents granted for any of said invention(s) or improvement(s), including all divisions, continuations, renewals, reissues, reexaminations, continuations-in-part and extensions thereof, including the right to sue for damages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, and the right to claim priority based on the

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filing date of said application(s) and based on the filing date of any provisional application of which said application(s) claims the benefit under the International Convention for the Protection of Industrial Property (Paris Convention), the agreement on TRIPS, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in my name or in its own name for patents and like rights of exclusion and for inventor's certificates for said inventions and improvements; and I agree for myself and my heirs, legal representatives and assignees, without further compensation, upon request to perform such lawful acts, to promptly provide Assignee with all pertinent facts and documents relating to said invention(s) or application(s) as may be known and accessible to me, to testify in any interference, opposition, litigation, or similar proceedings related to said invention(s) or application(s), to sign such further applications, assignments, declarations, affidavits, preliminary statements and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment and to execute any other papers that may be needed in connection with filing said application(s) and securing Letters Patents thereon.

The Assignor hereby covenants that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this Assignment.

The Assignor hereby authorizes the insertion on this Assignment of the serial number(s) and filing date(s) of said application(s) when known.

The Assignor hereby authorizes the Commissioner of Patents and Trademarks, or any official whose duty is to issue patents, to issue a Letters Patent on said application(s), and on any and all divisions, continuations, renewals, reissues, reexaminations, continuations-in-part and extensions thereof to Assignee in accordance herewith. It is the express wish of the parties that this Assignment be drafted in the English language.

WITNESS: ASSIGNOR: Nancy Geffroy Etienne SIMON-L Etienne SIMON-L READ and APPROVED SIGNED this day of	
READ and APPROVED	
)RIERE
SIGNED this day of	
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(day) (month) (ysar	
INSTITUT PASTEUR	
Per: Nicolas TORNO	
Title: Associate Vice President Technology Transfer and Industrial Partnership	

PATENT REEL: 060828 FRAME: 0867



ASSIGNMENT OF PATENT RIGHTS

I, **Xavier MONTAGUTELLI**, inventor of the invention identified below, declare and acknowledge that the invention was made in the performance of my Employment Contract according to French law (Article L. 611-7 of the Intellectual Property Code) which includes an inventive mission corresponding to my functions or duties, or in the performance of missions, studies, or research which are or were expressly entrusted to me. I acknowledge that my Employment Contract with INSTITUT PASTEUR has automatically transferred and assigned to INSTITUT PASTEUR, its successors and assignees, my entire right, title and interest in and to said invention.

Therefore, I (hereinafter referred to as "Assignor"):

FULL NAME OF ASSIGNOR	ADDRESS	COUNTRY
Xavier MONTAGUTELLI	INSTITUT PASTEUR	France
	25-28, rue du Docteur Roux, 75015 Paris	

confirm that I hereby assign, vest and transfer (and/or confirm such assignment, vesting or transfer) to:

FULL NAME OF ASSIGNEE(S)	BUSINESS ADDRESS(ES)	
INSTITUT PASTEUR	25-28, rue du Docteur Roux, 75015 Paris, France	

and its successors and assignees (collectively herein called the "Assignee"), the entire and exclusive right, title and interest worldwide, including but not limited to the United States, Europe, Canada, Japan, China and everywhere else throughout the world in the invention(s) and improvement(s) which are the subject of the patent application(s) identified as:

TITLE OF APPLICATION	FILING DATE	SERIAL NUMBER
NUCLEIC ACID VACCINE AGAINST THE SARS-CoV-2 CORONAVIRUS	February 13, 2020	EP 20305140.4
NUCLEIC ACID VACCINE AGAINST THE SARS-CoV-2 CORONAVIRUS	February 13, 2020	US 62/976,148
NUCLEIC ACID VACCINE AGAINST THE SARS-CoV-2 CORONAVIRUS	February 12, 2021	PCT/EP2021/025053

and related application(s) and patent(s), this assignment including said application(s), and all United States and foreign patents granted for any of said invention(s) or improvement(s), including all divisions, continuations, renewals, reissues, reexaminations, continuations-in-part and extensions thereof, including the right to sue for damages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, and the right to claim priority based on the filing date of said application(s) and based on the filing date of any provisional application of which said application(s) claims the benefit under the International Convention for the Protection of Industrial Property (Paris Convention), the agreement on TRIPS, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in my name or in its own name for patents and like rights of exclusion and for inventor's

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certificates for said inventions and improvements; and I agree for myself and my heirs, legal representatives and assignees, without further compensation, upon request to perform such lawful acts, to promptly provide Assignee with all pertinent facts and documents relating to said invention(s) or application(s) as may be known and accessible to me, to testify in any interference, opposition, litigation, or similar proceedings related to said invention(s) or application(s), to sign such further applications, assignments, declarations, affidavits, preliminary statements and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment and to execute any other papers that may be needed in connection with filing said application(s) and securing Letters Patents thereon.

The Assignor hereby covenants that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this Assignment.

The Assignor hereby authorizes the insertion on this Assignment of the serial number(s) and filing date(s) of said application(s) when known.

The Assignor hereby authorizes the Commissioner of Patents and Trademarks, or any official whose duty is to issue patents, to issue a Letters Patent on said application(s), and on any and all divisions, continuations, renewals, reissues, reexaminations, continuations-in-part and extensions thereof to Assignee in accordance herewith. It is the express wish of the parties that this Assignment be drafted in the English language.

SIGNED this	21	day of	July	2021	
	(day)		(month)	(year)	
WITNESS:	Nanc	y allow		ASSIGNOR:	Him the
	10 400	y Jeffro	7		
Full Name:	Nancy G	EFFROY		Xavier MO	NTAGUTELLI

READ and APPROVED

SIGNED this		day of	
	(day)	(month)	(year)
INSTITUT PAS	<u>STEUR</u>		

Per: Nicolas TORNO

Title: Associate Vice President Technology Transfer and Industrial Partnership



ASSIGNMENT OF PATENT RIGHTS

I, Matthieu **PROT**, inventor of the invention identified below, declare and acknowledge that the invention was made in the performance of my Employment Contract according to French law (Article L. 611-7 of the Intellectual Property Code) which includes an inventive mission corresponding to my functions or duties, or in the performance of missions, studies, or research which are or were expressly entrusted to me. I acknowledge that my Employment Contract with INSTITUT PASTEUR has automatically transferred and assigned to INSTITUT PASTEUR, its successors and assignees, my entire right, title and interest in and to said invention.

Therefore, I (hereinafter referred to as "Assignor"):

FULL NAME OF ASSIGNOR	ADDRESS	COUNTRY
Matthieu PROT	INSTITUT PASTEUR	France
	25-28, rue du Docteur Roux, 75015 Paris	

confirm that I hereby assign, vest and transfer (and/or confirm such assignment, vesting or transfer) to:

FULL NAME OF ASSIGNEE(S)	BUSINESS ADDRESS(ES)
INSTITUT PASTEUR	25-28, rue du Docteur Roux, 75015 Paris, France

and its successors and assignees (collectively herein called the "Assignee"), the entire and exclusive right, title and interest **worldwide**, **including but not limited to the United States**, **Europe**, **Canada**, **Japan**, **China** and everywhere else throughout the world in the invention(s) and improvement(s) which are the subject of the patent application(s) identified as:

TITLE OF APPLICATION	FILING DATE	SERIAL NUMBER
NUCLEIC ACID VACCINE AGAINST THE SARS-cov-2 CORONAVIRUS	FEBRUARY 13, 2020	EP 20305140.4
NUCLEIC ACID VACCINE AGAINST THE SARS-cov-2 CORONAVIRUS	FEBRUARY 13, 2020	US 62/976,148
NUCLEIC ACID VACCINE AGAINST THE SARS-cov-2 CORONAVIRUS	FEBRUARY 12, 2021	PCT/EP2021/025053

and related application(s) and patent(s), this assignment including said application(s), and all United States and foreign patents granted for any of said invention(s) or improvement(s), including all divisions, continuations, renewals, reissues, reexaminations, continuations-in-part and extensions thereof, including the right to sue for damages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, and the right to claim priority based on the filing date of said application(s) and based on the filing date of any provisional application of which said application(s) claims the benefit under the International Convention for the Protection of Industrial Property (Paris Convention), the agreement on TRIPS, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all

countries in my name or in its own name for patents and like rights of exclusion and for inventor's certificates for said inventions and improvements; and I agree for myself and my heirs, legal representatives and assignees, without further compensation, upon request to perform such lawful acts, to promptly provide Assignee with all pertinent facts and documents relating to said invention(s) or application(s) as may be known and accessible to me, to testify in any interference, opposition, litigation, or similar proceedings related to said invention(s) or application(s), to sign such further applications, assignments, declarations, affidavits, preliminary statements and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment and to execute any other papers that may be needed in connection with filing said application(s) and securing Letters Patents thereon.

The Assignor hereby covenants that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this Assignment.

The Assignor hereby authorizes the insertion on this Assignment of the serial number(s) and filing date(s) of said application(s) when known.

The Assignor hereby authorizes the Commissioner of Patents and Trademarks, or any official whose duty is to issue patents, to issue a Letters Patent on said application(s), and on any and all divisions, continuations, renewals, reissues, reexaminations, continuations-in-part and extensions thereof to Assignee in accordance herewith. It is the express wish of the parties that this Assignment be drafted in the English language.

SIGNED this	20 day of	JULY	2021	_
	(day)	(month)	(year)	
WITNESS:	Nancy Geffr	oy	ASSIGNOR:	Aler-
Full Name: Nancy GEFFROY		Matthieu PROT		

READ and APPROVED

SIGNED this	day of			
	(day)	(month)	(year)	
INSTITUT PAS	TEUR			

Per: Nicolas TORNO

Title: Associate Vice President Technology Transfer and Industrial Partnership