506850847 09/02/2021 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6897668

SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT		
CONVEYING PARTY	DATA			
		Name	Execution Date	
ISTITUTO SUPERIOR	RE DI SANITA		10/26/2016	
RECEIVING PARTY I	ΔΤΔ			
Name: GSK VACCINES S.R.L.				
Street Address:	VIA FIOR	ENTINA 1,		
City:	SIENA			
State/Country:	ITALY			
Postal Code:	53100			
PROPERTY NUMBE	RS Total: 1			
Property Typ	e	Number		
Application Number	: 16	065468		
CORRESPONDENCE				
		12)692-1020		
Fax Number:	(2	12)692-1020 he e-mail address first: if that is unsuce	cessful. it will be sent	
Fax Number: <i>Correspondence wil</i> using a fax number,	(2 I be sent to ti if provided; i	he e-mail address first; if that is unsuce if that is unsuccessful, it will be sent vi		
Fax Number: <i>Correspondence wil using a fax number,</i> Phone:	2) I be sent to ti if provided; i 21	he e-mail address first; if that is unsuc if that is unsuccessful, it will be sent vi 26921000		
Fax Number: <i>Correspondence wil using a fax number,</i> Phone: Email:	(2 I be sent to ti if provided; i 21 ny	h e e-mail address first; if that is unsuce If that is unsuccessful, it will be sent vi 26921000 ipdocketing@duanemorris.com		
Fax Number: <i>Correspondence wil using a fax number,</i> Phone: Email: Correspondent Nam	2) I be sent to ti if provided; i 21 ny e: Th	h e e-mail address first; if that is unsuce if that is unsuccessful, it will be sent vi 26921000 ipdocketing@duanemorris.com iOMAS J. KOWALSKI		
Correspondence wil using a fax number, Phone: Email: Correspondent Nam Address Line 1:	(2 I be sent to ti if provided; i 21 ny e: TF 15	he e-mail address first; if that is unsuce if that is unsuccessful, it will be sent vi 26921000 ipdocketing@duanemorris.com IOMAS J. KOWALSKI 40 BROADWAY		
Fax Number: <i>Correspondence wil using a fax number,</i> Phone: Email: Correspondent Nam Address Line 1: Address Line 2:	(2 I be sent to ti if provided; i 21 ny e: TH 15 DI	he e-mail address first; if that is unsuce if that is unsuccessful, it will be sent vi 26921000 ipdocketing@duanemorris.com HOMAS J. KOWALSKI 40 BROADWAY JANE MORRIS LLP		
Fax Number: <i>Correspondence wil using a fax number,</i> Phone: Email: Correspondent Nam Address Line 1: Address Line 2:	(2 I be sent to ti if provided; i 21 ny e: TH 15 DI	he e-mail address first; if that is unsuce if that is unsuccessful, it will be sent vi 26921000 ipdocketing@duanemorris.com IOMAS J. KOWALSKI 40 BROADWAY		
Fax Number: <i>Correspondence wil using a fax number,</i> Phone: Email: Correspondent Nam Address Line 1:	(2 <i>I be sent to ti if provided; i</i> 21 ny e: TF 15 DI NE	he e-mail address first; if that is unsuce if that is unsuccessful, it will be sent vi 26921000 ipdocketing@duanemorris.com HOMAS J. KOWALSKI 40 BROADWAY JANE MORRIS LLP		
Fax Number: <i>Correspondence wil using a fax number,</i> Phone: Email: Correspondent Nam Address Line 1: Address Line 2: Address Line 4:	(2 <i>I be sent to ti if provided; i</i> 21 ny e: TF 15 DI NE	he e-mail address first; if that is unsuce if that is unsuccessful, it will be sent vi 26921000 ipdocketing@duanemorris.com IOMAS J. KOWALSKI i40 BROADWAY JANE MORRIS LLP EW YORK, NEW YORK 10036		
Fax Number: <i>Correspondence wil using a fax number,</i> Phone: Email: Correspondent Nam Address Line 1: Address Line 2: Address Line 4:	(2 <i>I be sent to ti if provided; i</i> 21 ny e: TF 15 DI NE	he e-mail address first; if that is unsuce if that is unsuccessful, it will be sent vi 26921000 ipdocketing@duanemorris.com HOMAS J. KOWALSKI 40 BROADWAY JANE MORRIS LLP EW YORK, NEW YORK 10036 Y8251-00025		
Fax Number: Correspondence wil using a fax number, Phone: Email: Correspondent Nam Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NAME OF SUBMITTE	(2 <i>I be sent to ti if provided; i</i> 21 ny e: TF 15 DI NE	he e-mail address first; if that is unsuce if that is unsuccessful, it will be sent vi 26921000 ipdocketing@duanemorris.com HOMAS J. KOWALSKI 40 BROADWAY JANE MORRIS LLP EW YORK, NEW YORK 10036 Y8251-00025 SARAH MARCANO		
Fax Number: <i>Correspondence wil</i> <i>using a fax number,</i> Phone: Email: Correspondent Nam Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NAME OF SUBMITTER SIGNATURE:	(2 <i>I be sent to ti if provided; i</i> 21 ny e: TF 15 DI NE	he e-mail address first; if that is unsuce if that is unsuccessful, it will be sent vi 26921000 ipdocketing@duanemorris.com HOMAS J. KOWALSKI 40 BROADWAY JANE MORRIS LLP EW YORK, NEW YORK 10036 Y8251-00025 SARAH MARCANO /Sarah Marcano/		
Fax Number: <i>Correspondence wil</i> <i>using a fax number,</i> Phone: Email: Correspondent Nam Address Line 1: Address Line 2: Address Line 2: Address Line 4: ATTORNEY DOCKET NAME OF SUBMITTER SIGNATURE: DATE SIGNED: Total Attachments: 3	(2 I be sent to ti if provided; i 21 ny e: TH 15 DI NE NUMBER: R:	he e-mail address first; if that is unsuce if that is unsuccessful, it will be sent vi 26921000 ipdocketing@duanemorris.com HOMAS J. KOWALSKI 40 BROADWAY JANE MORRIS LLP EW YORK, NEW YORK 10036 Y8251-00025 SARAH MARCANO /Sarah Marcano/		
Fax Number: <i>Correspondence will</i> <i>using a fax number,</i> Phone: Email: Correspondent Nam Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NAME OF SUBMITTER SIGNATURE: DATE SIGNED: Total Attachments: 3 source=00025Executed	(2 I be sent to ti if provided; i 21 ny e: TH 15 DI NE NUMBER: R: d_Assignment	he e-mail address first; if that is unsuce if that is unsuccessful, it will be sent vi 26921000 ipdocketing@duanemorris.com HOMAS J. KOWALSKI 40 BROADWAY JANE MORRIS LLP EW YORK, NEW YORK 10036 Y8251-00025 SARAH MARCANO /Sarah Marcano/ 09/02/2021		

ASSIGNMENT

This Assignment Agreement is entered into by and between ISTITUTO SUPERIORE DI SANITÀ, Viale Regina Elena, 299, 00161 Roma, Italy, an institute organized under the laws of Italy, and GSK VACCINES S.r.l. (formerly NOVARTIS VACCINES AND DIAGNOSTICS S.r.l.), a company incorporated in Italy whose address is Via Fiorentina 1, 53100, Siena, Italy.

For good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, ISTITUTO SUPERIORE DI SANITÀ does hereby sell, assign and transfer to GSK VACCINES S.r.l. (formerly NOVARTIS VACCINES AND DIAGNOSTICS S.r.l.) and its successors, assigns and legal representatives (hereinafter referred to collectively as the "ASSIGNEE"), all of its right, title and interest for all countries of the world in and to

(1) all inventions and discoveries described in the provisional or non-provisional patent application(s) entitled

OIL-IN-WATER EMULSIONS INCLUDING RETINOIC ACID [Patent Case PAT056756-EP-EPA]

and filed in the European Patent Office on 23 December, 2015 and accorded Application Number 15202332.1 and/or filed as a PCT International Application on ______, 20 and accorded International Patent Application Number PCT/______; and/or filed in the United States Patent and Trademark Office on ______, 20 and accorded Application Number ;

(2) the application(s) identified in paragraph (1), and all applications claiming priority from such application(s), directly or indirectly, including all national stages of any international patent application(s);

(3) the right to file patent, utility model, or other applications on any invention or discovery disclosed in any of the applications identified in paragraphs (1) and (2), including the right to file such applications on said inventions and discoveries in the names of ASSIGNEE or their designees, or on behalf or in the name(s) of the inventor(s) of said inventions and discoveries, at ASSIGNEE's election and in accordance with applicable law in all countries and regions; and the right to file all patent, utility model, or other applications in all countries and regions claiming the priority of any of the provisional or non-provisional application(s) identified in paragraphs (1) or (2);

(4) all rights to claim priority from any of the applications referred to in paragraphs (1), (2), and (3) or from any application from which any of the applications referred to in paragraphs (1), (2) and (3) claim priority in all countries and regions under the Paris Convention for the Protection of Industrial Property, the WTO GATT TRIPS Agreement, the Inter-American Convention relating to Inventions, Patents, Designs, and Industrial Models and all other

international agreements to which the United States now is or hereafter becomes a signatory and, if the United States patent application is a provisional patent application, under 35 USC 119(e);

(5) all continuations, continuations-in-part, and divisionals of any United States patent application(s) or international patent application(s) designating the United States, any national stages of any international application(s), and any other patent application(s) described in paragraphs (1) through (4) hereof, including further continuations, continuations-in-part, and divisionals such as, but not limited to, continuations of continuations and continuations of divisionals;

(6) all patents, utility models, or other grants that issue from any of the applications referred to herein and all rights and remedies associated therewith including the right to sue for and recover past damages and to recover under 35 U.S.C. § 154 (d) or any other law permitting remedies for infringement prior to issuance of the patent;

(7) all registrations and confirmations of, and importation certificates based upon, one or more of said patents, utility models, or other grants, and applications for such registrations, confirmations and importation certificates and;

(8) all reissues, renewals and extensions of said patents, utility models, registrations, confirmations and importation certificates, reexamination certificates issued for said patents and supplementary protection certificates based upon said patents and applications for such reissues, renewals, extensions, reexamination certificates and supplementary protection certificates, the same to be held and enjoyed by said ASSIGNEE to the full ends of the terms for which said patents, utility models, registrations, confirmations, importation certificates, reexamination certificates, reissues, renewals and extensions may be granted, as fully and entirely as the same would have been held and enjoyed by ISTITUTO SUPERIORE DI SANITÀ if this sale, assignment and transfer had not been made.

ISTITUTO SUPERIORE DI SANITÀ hereby authorizes ASSIGNEE and their representatives to insert in paragraph (1) of this Assignment the filing date(s) and Application Number(s) of said patent, utility model, or other application(s) when notified thereof.

ISTITUTO SUPERIORE DI SANITÀ hereby covenants and agrees that it will, at any time, (i) upon the request, but at the expense, of ASSIGNEE, execute and deliver all documents that may be necessary or desirable to perfect the title to the foregoing inventions and discoveries, applications, patents, utility models, registrations, confirmations, importation certificates, reissues, renewals, extensions, reexamination certificates, supplementary protection certificates, and applications within the scope of (7) and (8), in ASSIGNEE, including the execution and procurement of all further documents evidencing this sale, assignment and transfer as may be necessary or desirable for recording the same in the patent office or other intellectual property office, agency or the like of any country or region, (ii) upon the request, but at the expense, of ASSIGNEE execute all additional applications within the scope of (7) or (8), and (iii) make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein, without further compensation, but at the expense of ASSIGNEE.

56756_assign_ISS_G8KSrl 56756_assign_ISS_G8KSrl-2.doex 2

PATENT REEL: 057370 FRAME: 0003

Should any provision of this Assignment be deemed invalid or unenforceable by reason of any law, statute, regulation or judgment, existing now or in the future in any jurisdiction, such provision shall be modified in such jurisdiction so as to nearly approximate the intent of the Parties. If this cannot be done, such invalid or unenforceable provision shall be divisible and be deleted in any such jurisdiction, and all other provisions shall remain in full force and effect. The modification or deletion of any provision in one jurisdiction shall have no effect on this Assignment in any other jurisdiction.

This Assignment shall be governed by the laws of Italy.

This Assignment is effective as from the earliest priority date as stated above.

Executed this 26^{k_2}	day of	<u>October</u>	, 2016.
ISTITUTO SUPERIORE DI SA BY Name Gualtiero Ricciardi Title President	Innl	_L.S.	
Fablola Glocia. Witness	1		
To acknowledgment Giovanni Rezza Director of Department of Infection	us Diseases		
Silvia Vendetti Inventor			
Executed this	day of	December	, 2016.
GSK VACCINES S.r.I. BY R X Y Name RING RAFFUCU Title CHNEF SCIENTIST Pr	NO HESTO OF R		
Witness Une	6 RECEARING		

56756_assign_ISS_GSKSrl 56756_assign_ISS_GSKSrl-2.docx 3

PATENT REEL: 057370 FRAME: 0004