PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VLADIMIR ALEKSEYEVICH LEDOV	04/12/2021
ANNA ALEKSANDROVNA MARKINA	04/12/2021
MARIA EVGEN'EVNA SHEKHT	04/12/2021

RECEIVING PARTY DATA

Name:	PETR GENNADIEVICH APARIN
Street Address:	UL. 2-AYA FILEVSKAYA
Internal Address:	D 6, KORP. 4, KV. 37
City:	MOSCOW
State/Country:	RUSSIAN FEDERATION
Postal Code:	121096
Name:	VYACHESLAV LEONIDOVICH LVOV
Street Address:	UL. 2-AYA PESCHANAYA
Internal Address:	D. 6, KV. 204
City:	MOSCOW
State/Country:	RUSSIAN FEDERATION
Postal Code:	125252
Name:	STANISLAVA IVANOVNA ELKINA
Street Address:	UL. BEGOVAYA
Internal Address:	D. 11, KV. 42
City:	MOSCOW
State/Country:	RUSSIAN FEDERATION
Postal Code:	125247
Name:	MARINA EDUARDOVNA GOLOVINA
Street Address:	PROLETARSKY PR-T
Internal Address:	D. 8, KORP. 1, KV. 28
City:	MOSCOW
State/Country:	RUSSIAN FEDERATION
Postal Code:	115522

PROPERTY NUMBERS Total: 1

PATENT REEL: 055889 FRAME: 0943

Property Type	Number
Application Number:	15454526

CORRESPONDENCE DATA

Fax Number: (973)998-7720

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: 9739987722

Email: akethe@pergamentcepeda.com

Correspondent Name: ANILA KETHE

Address Line 1: 25A HANOVER ROAD

Address Line 2: SUITE 104

Address Line 4: FLORHAM PARK, NEW JERSEY 07932

ATTORNEY DOCKET NUMBER:	1058-002-USC1
NAME OF SUBMITTER:	ANILA KETHE
SIGNATURE:	/Anila Kethe/
DATE SIGNED:	04/12/2021

Total Attachments: 2

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PATENT REEL: 055889 FRAME: 0944 USSN: 15/454,526 Attorney Docket No.: 1058-002-USC1

ASSIGNMENT For National Phase Applications with International Filing Date after September 16, 2012

The parties to this assignment are listed below and if there is more than one Assignor or Assignee, the words "Assignor" and "Assignee" shall include them:

- Assignor: <u>Vladimir Alekseyevich LEDOV, having an address at, ul. Rabochaya, d. 12 Moscowskaya obl., g. Klimovsk,</u> 142182Russia; Citizenship; Russia.
- Assignor: Anna Aleksandrovna MARKINA, having an address at, ul. Svyatoozerskaya, d. 32, kv. 114 Moscow, 111625Russia; Citizenship: Russia.
- Assignor: Maria Evgen'evna SHEKHT, having an address at, ul. Festivalnaya, d. 59, korp. 1, kv. 131 Moscow, 125502Russia; Citizenship: Russia.

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the receipt and sufficiency of which is hereby acknowledged, each undersigned agrees to assign, and hereby does assign, transfer and set over to

- Assignee: Petr Gennadievich APARIN, having an address at, ul. 2-aya Filevskaya, d 6, korp. 4, kv. 37 Moscow, 121096Russia; Citizenship: Russia.
- Assignee: <u>Vyacheslav Leonidovich LVOV, having an address at, ul. 2-aya Peschanaya, d. 6, kv. 204 Moscow, 125252Russia.</u>
 Citizenship: Russia.
- Assignee: Stanislava Ivanovna ELKINA, having an address at, ul. Begovaya, d. 11, kv. 42 Moscow, 125247Russia; Citizenship: Russia.
- Assignee: Marina Eduardovna GOLOVINA. having an address at, Proletarsky pr-t, d. 8, korp. 1, kv. 28 Moscow. 115522Russia: Citizenship: Russia.

(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100 and for all other countries in the invention, and in all applications for patent or similar rights on the invention, including any and all provisional, non-provisional, divisional, continuation, international, confirmation, substitute and reissue application(s), including any application(s) filed in any country based thereon, and including the right to file foreign applications under the provisions of any treaty or convention; and in all grants, such as Letters Patent, certificates, utility models, confirmations, extensions, reissues and reexamination certificates that may be granted in the United States and in all other countries on the invention, known as:

Title: MODIFIED ENDOTOXIC BACTERIA LIPOPOLYSACCHARIDE (VARIANTS), COMBINATION OF MODIFIED LIPOPOLYSACCHARIDES (VARIANTS) AND CONTAINING SAME, A VACCINE (VARIANTS) AND A PHARMACEUTICAL COMPOSITION (VARIANTS)

			•
The specification of which is attached hereto.			Ayan dir. Anaysi
_XThe specification of which was filed on	March 9, 2017	_	
as Application Serial No.	<u>15/454,526</u>	<u></u>	
and was amended on		_ (if applicable).	•
Assignas: English the company of the con-			电子 400 (17) 30 (AS)
claims, as amended by any amendment referred to abo Assignor hereby assigns assignee(s) all priority		tion(s) and/or issued pa	tent(e):
			iciti(o).
Prior International Patent Application No.:	PCT/RU2013/000456	, filed on June 4, 2013.	ing and the second second second

PATENT REEL: 055889 FRAME: 0945 USSN: 15/454,526

Attorney Docket No.: 1058-002-USC1

Assignor assigns to Assignee the right to enforce the Patent for infringement accrued prior to the effective date of this assignment. In those countries where permitted, the Assignor authorizes the Assignee to apply for patents for the invention directly in Assignee's name. Assignor authorizes the Commissioner of Patents and Trademarks or other governmental authority to issue all patents for the invention directly to Assignee. Assignor states that Assignor has the right to grant to Assignee the rights which are assigned by this assignment. Assignor agrees to and will sign any additional documents as may be needed to carry out the purpose of this assignment. This assignment is binding on all parties who lawfully succeed to the rights of or take the place of Assignor or Assignee.

The undersigned hereby grant(s) to the firm of Pergament & Cepeda LLP, 89 Headquarters Plaza, North Tower, 14th Floor, Suite 1465, Morristown, New Jersey 07960, the power to insert on this assignment any further identification of the Patent which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office concerning recordation of this document.

SIGNATURE(S)	DATE	TYPED OR PRINTED NAME(S)
Signature	12.04 21	Vladimir Alekseyevich LEDOV
Witness Roef		Date 12.04.21 Date (2.04.21)
Merket M. Signature	12.04.21	Anna Aleksandrovna MARKINA Lasta Grade Grade Gales (1986)
Witness		Date 12.04.21
Witness Roels	· · ·	Date <u>[2.04.2]</u> .
Signature	1204.211.	Maria Evgen'evna SHEKHT
Witness	· · · · · · · · · · · · · · · · · · ·	Date <u>12.04.21</u>
Witness <u>Cal</u>	· · · · · · · · · · · · · · · · · · ·	Date 12.04.20
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This Assignment should be signed before: (a) a Notary Public Or (b) at least TWO (2) witnesses.