

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT8360731

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST
CONVEYING PARTY DATA	
Name	Execution Date
VERO BIOTECH INC.	12/29/2023
RECEIVING PARTY DATA	
Name:	HORIZON TECHNOLOGY FINANCE CORPORATION
Street Address:	312 FARMINGTON AVENUE
City:	FARMINGTON
State/Country:	CONNECTICUT
Postal Code:	06032
PROPERTY NUMBERS Total: 71	
Property Type	Number
Application Number:	10228956
Application Number:	11279029
Application Number:	11382116
Application Number:	11206305
Application Number:	12500929
Application Number:	13298970
Application Number:	13555567
Application Number:	14107629
Application Number:	15385354
Application Number:	16186790
Application Number:	17080306
Application Number:	17459052
Application Number:	17459058
Application Number:	17862026
Application Number:	11276610
Application Number:	12619959
Application Number:	13587543
Application Number:	14474252
Application Number:	15967209
Application Number:	12076723

Property Type	Number
Application Number:	13113787
Application Number:	12361274
Application Number:	13072446
Application Number:	13480376
Application Number:	14107535
Application Number:	14294070
Application Number:	15645197
Application Number:	16512021
Application Number:	17727489
Application Number:	12541137
Application Number:	14107554
Application Number:	14612266
Application Number:	15469447
Application Number:	17181798
Application Number:	18353436
Application Number:	12541144
Application Number:	17025298
Application Number:	12541148
Application Number:	17215827
Application Number:	12563662
Application Number:	13436018
Application Number:	14270260
Application Number:	15229105
Application Number:	16590093
Application Number:	18059309
Application Number:	12819670
Application Number:	14138061
Application Number:	14948992
Application Number:	17461484
Application Number:	13094535
Application Number:	14546373
Application Number:	16247516
Application Number:	18184847
Application Number:	13735558
Application Number:	14918511
Application Number:	16283724
Application Number:	16988185
Application Number:	18445177

Property Type	Number
Application Number:	16773707
Application Number:	16515661
Application Number:	17559745
Application Number:	16511928
Application Number:	18338892
Application Number:	16513274
Application Number:	18353443
Application Number:	16513312
Application Number:	18310152
Application Number:	18491482
Application Number:	18491463
Application Number:	29360522
Application Number:	29360525

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: 8602846434

Email: nicole@horizontechfinance.com

Correspondent Name: NICOLE PAPPA

Address Line 1: 312 FARMINGTON AVENUE

Address Line 2: HORIZON TECHNOLOGY FINANCE CORPORATION

Address Line 4: FARMINGTON, CONNECTICUT 06032

NAME OF SUBMITTER:	NICOLE PAPPA
SIGNATURE:	/s/ Nicole Pappa
DATE SIGNED:	01/03/2024

Total Attachments: 5

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GRANT OF SECURITY INTEREST
PATENTS

THIS GRANT OF SECURITY INTEREST, dated as of December 29, 2023, is executed by VERO BIOTECH INC., a Delaware corporation with an address of 387 Technology Circle NW, Suite 125, Atlanta, GA 30313 ("Debtor"), in favor of HORIZON TECHNOLOGY FINANCE CORPORATION, a Delaware corporation with an address of 312 Farmington Avenue, Farmington, Connecticut 06032, as Collateral Agent (as defined in the Loan Agreement), on behalf of Lender (as defined below) ("Secured Party").

A. Pursuant to a certain Venture Loan and Security Agreement, dated on or about the date hereof (the "Agreement") by and between Debtor, the Secured Party, Monroe Capital Corporation ("Monroe Capital") and Monroe Capital Income Plus Corporation ("Monroe Income Plus"), together with the Secured Party, as a lender, and Monroe Capital, collectively, "Lender", Lender has agreed to extend credit to Debtor upon the terms and subject to the conditions set forth therein;

B. Debtor owns the patents and/or applications for patents, more particularly described on Schedule 1 annexed hereto as part hereof (collectively, the "Patents");

C. Pursuant to the Agreement, Debtor has granted to Secured Party a security interest in all right, title and interest of Debtor in and to the Patents, together with any reissue, continuation, continuation-in-part or extension thereof, and all proceeds thereof, including any and all causes of action which may exist by reason of infringement thereof for the full term of the Patents (the "Collateral"), to secure the prompt payment and performance of the Obligations (as defined in the Agreement);

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, Debtor does hereby further grant to Secured Party a security interest in the Collateral to secure the prompt payment and performance of the Obligations.

Debtor does hereby further acknowledge and affirm that the rights and remedies of Secured Party with respect to the security interest in the Collateral granted hereby are more fully set forth in the Agreement, the terms and provisions of which are hereby incorporated herein by reference as if fully set forth herein.

This agreement shall be governed by, and construed and enforced in accordance with, the laws of the State of New York.

[Signature Page Follows]

IN WITNESS WHEREOF, Debtor has caused this instrument to be executed as of the day and year first written above.

VERO BIOTECH INC.

By: 

Name: Todd Brady

Title: Chief Financial Officer

[SIGNATURE PAGE TO GRANT OF SECURITY INTEREST PATENTS]

SCHEDULE 1 TO GRANT OF SECURITY INTEREST PATENTS

US Registered Patents and Applications

FILE #	TITLE	COUNTRY	STATUS	APPLICATION #
<u>11637-003US3</u>	<u>CONTROLLED GENERATION OF NITRIC OXIDE</u>	United States of America	Issued	10/228,956
<u>11637-003US4</u>	<u>NITRIC OXIDE DELIVERY SYSTEM</u>	United States of America	Issued	11/279,029
<u>11637-003US5</u>	<u>METHOD AND APPARATUS FOR NITRIC OXIDE GENERATION</u>	United States of America	Issued	11/382,116
<u>11637-004US1</u>	<u>CONVERSION OF NITROGEN DIOXIDE (NO2) TO NITRIC OXIDE (NO)</u>	United States of America	Issued	11/206,305
<u>11637-004US2</u>	<u>CONVERSION OF NITROGEN DIOXIDE (NO2) TO NITRIC OXIDE (NO)</u>	United States of America	Issued	12/500,929
<u>11637-004US3</u>	<u>CONVERSION OF NITROGEN DIOXIDE (NO2) TO NITRIC OXIDE (NO)</u>	United States of America	Issued	13/298,970
<u>11637-004US4</u>	<u>CONVERSION OF NITROGEN DIOXIDE (NO2) TO NITRIC OXIDE (NO)</u>	United States of America	Issued	13/555,567
<u>11637-004US5</u>	<u>CONVERSION OF NITROGEN DIOXIDE (NO2) TO NITRIC OXIDE (NO)</u>	United States of America	Issued	14/107,629
<u>11637-004US6</u>	<u>CONVERSION OF NITROGEN DIOXIDE (NO2) TO NITRIC OXIDE (NO)</u>	United States of America	Issued	15/385,354
<u>11637-004US7</u>	<u>CONVERSION OF NITROGEN DIOXIDE (NO2) TO NITRIC OXIDE (NO)</u>	United States of America	Issued	16/186,790
<u>11637-004US8</u>	<u>CONVERSION OF NITROGEN DIOXIDE (NO2) TO NITRIC OXIDE (NO)</u>	United States of America	Issued	17/080,306
<u>11637-004US9</u>	<u>CONVERSION OF NITROGEN DIOXIDE (NO2) TO NITRIC OXIDE (NO)</u>	United States of America	Issued	17/459,052
<u>11637-004USA</u>	<u>CONVERSION OF NITROGEN DIOXIDE (NO2) TO NITRIC OXIDE (NO)</u>	United States of America	Issued	17/459,058
<u>11637-004USB</u>	<u>CONVERSION OF NITROGEN DIOXIDE (NO2) TO NITRIC OXIDE (NO)</u>	United States of America	Pending	17/862,026
<u>11637-005US1</u>	<u>CONVERSION OF NITROGEN DIOXIDE (NO2) TO NITRIC OXIDE (NO)</u>	United States of America	Issued	11/276,610
<u>11637-005US2</u>	<u>CONVERSION OF NITROGEN DIOXIDE (NO2) TO NITRIC OXIDE (NO)</u>	United States of America	Issued	12/619,959
<u>11637-005US3</u>	<u>CONVERSION OF NITROGEN DIOXIDE (NO2) TO NITRIC OXIDE (NO)</u>	United States of America	Issued	13/269,106
<u>11637-005US4</u>	<u>CONVERSION OF NITROGEN DIOXIDE (NO2) TO NITRIC OXIDE (NO)</u>	United States of America	Issued	13/587,543
<u>11637-005US5</u>	<u>CONVERSION OF NITROGEN DIOXIDE (NO2) TO NITRIC OXIDE (NO)</u>	United States of America	Issued	14/474,252
<u>11637-005US6</u>	<u>CONVERSION OF NITROGEN DIOXIDE (NO2) TO NITRIC OXIDE (NO)</u>	United States of America	Issued	15/967,209
<u>11637-006GB1</u>	<u>CONVERSION OF NITROGEN DIOXIDE (NO2) TO NITRIC OXIDE (NO)</u>	United Kingdom	Issued	08742186.3
<u>11637-006US1</u>	<u>KIT FOR THE CONVERSION OF NITROGEN DIOXIDE (NO2) TO NITRIC OXIDE (NO)</u>	United States of America	Issued	12/076,723
<u>11637-006US2</u>	<u>CONVERSION OF NITROGEN DIOXIDE (NO2) TO NITRIC OXIDE (NO)</u>	United States of America	Issued	13/113,787
<u>11637-007US1</u>	<u>CONVERSION OF NITROGEN DIOXIDE (NO2) TO NITRIC OXIDE (NO)</u>	United States of America	Issued	12/361,274

OXIDE (NO)

<u>11637-007US2</u>	<u>CONVERSION OF NITROGEN DIOXIDE (NO2) TO NITRIC</u>	United States of America	Issued	13/072,466
<u>11637-007US3</u>	<u>CONVERSION OF NITROGEN DIOXIDE (NO2) TO NITRIC</u>	United States of America	Issued	13/480,376
<u>11637-007US4</u>	<u>CONVERSION OF NITROGEN DIOXIDE (NO2) TO NITRIC</u>	United States of America	Issued	14/107,535
<u>11637-007US5</u>	<u>CONVERSION OF NITROGEN DIOXIDE (NO2) TO NITRIC</u>	United States of America	Issued	14/294,070
<u>11637-007US6</u>	<u>CONVERSION OF NITROGEN DIOXIDE (NO2) TO NITRIC</u>	United States of America	Issued	15/645,197
<u>11637-007US8</u>	<u>CONVERSION OF NITROGEN DIOXIDE (NO2) TO NITRIC</u>	United States of America	Issued	16/512,021
<u>11637-007US9</u>	<u>CONVERSION OF NITROGEN DIOXIDE (NO2) TO NITRIC</u>	United States of America	Allowed	17/727,489
<u>11637-007USA</u>	<u>CONVERSION OF NITROGEN DIOXIDE (NO2) TO NITRIC</u>	United States of America	Unfiled	
<u>11637-009US1</u>	<u>SYSTEMS AND DEVICES FOR GENERATING NITRIC</u>	United States of America	Issued	12/541,137
<u>11637-009US2</u>	<u>SYSTEMS AND DEVICES FOR GENERATING NITRIC</u>	United States of America	Issued	14/107,554
<u>11637-009US3</u>	<u>SYSTEMS AND DEVICES FOR GENERATING NITRIC</u>	United States of America	Issued	14/612,266
<u>11637-009US4</u>	<u>SYSTEMS AND DEVICES FOR GENERATING NITRIC</u>	United States of America	Issued	15/469,447
<u>11637-009US5</u>	<u>SYSTEMS AND DEVICES FOR GENERATING NITRIC</u>	United States of America	Issued	17/181,798
<u>11637-009US6</u>	<u>SYSTEMS AND DEVICES FOR GENERATING NITRIC</u>	United States of America	Pending	18/353,436
<u>11637-011US1</u>	<u>DEVICES AND METHODS FOR MINIMIZING AND TREATING HIGH-ALTITUDE SICKNESS</u>	United States of America	Issued	12/541,144
<u>11637-011US2</u>	<u>DEVICES AND METHODS FOR MINIMIZING AND TREATING HIGH-ALTITUDE SICKNESS</u>	United States of America	Pending	17/025,298
<u>11637-012US1</u>	<u>DELIVERY OF HIGH CONCENTRATION NITRIC</u>	United States of America	Issued	12/541,148
<u>11637-012US2</u>	<u>DELIVERY OF HIGH CONCENTRATION NITRIC</u>	United States of America	Pending	17/215,827
<u>11637-013US1</u>	<u>CONVERSION OF NITROGEN DIOXIDE (NO2) TO NITRIC</u>	United States of America	Issued	12/563,662
<u>11637-013US2</u>	<u>CONVERSION OF NITROGEN DIOXIDE (NO2) TO NITRIC</u>	United States of America	Issued	13/436,018
<u>11637-013US3</u>	<u>CONVERSION OF NITROGEN DIOXIDE (NO2) TO NITRIC</u>	United States of America	Issued	14/270,260
<u>11637-013US4</u>	<u>CONVERSION OF NITROGEN DIOXIDE (NO2) TO NITRIC</u>	United States of America	Issued	15/229,105
<u>11637-013US6</u>	<u>CONVERSION OF NITROGEN DIOXIDE (NO2) TO NITRIC</u>	United States of America	Issued	16/590,093
<u>11637-013US7</u>	<u>CONVERSION OF NITROGEN DIOXIDE (NO2) TO NITRIC</u>	United States of America	Published	18/059,309
<u>11637-014US1</u>	<u>NITRIC OXIDE THERAPIES</u>	United States of America	Issued	12/819,670
<u>11637-014US2</u>	<u>NITRIC OXIDE THERAPIES</u>	United States of America	Issued	14/138,061
<u>11637-014US3</u>	<u>NITRIC OXIDE THERAPIES</u>	United States of America	Issued	14/948,992

<u>11637-014US4</u>	<u>NITRIC OXIDE THERAPIES</u>	United States of America	Allowed	17/461,484
<u>11637-014US5</u>	<u>NITRIC OXIDE THERAPIES</u>	United States of America	Unfiled	
<u>11637-018US1</u>	<u>DELIVERY OF ULTRA PURE NITRIC OXIDE (NO)</u>	United States of America	Issued	13/094,535
<u>11637-018US2</u>	<u>DELIVERY OF ULTRA PURE NITRIC OXIDE (NO)</u>	United States of America	Issued	14/546,373
<u>11637-018US3</u>	<u>DELIVERY OF ULTRA PURE NITRIC OXIDE (NO)</u>	United States of America	Issued	16/247,516
<u>11637-018US4</u>	<u>DELIVERY OF ULTRA PURE NITRIC OXIDE (NO)</u>	United States of America	Pending	18/184,847
<u>11637-020US2</u>	<u>METHOD OF DETERMINING VASOREACTIVITY</u> <u>USING INHALED NITRIC OXIDE</u>	United States of America	Issued	13/735,558
<u>11637-024US1</u>	<u>NITROGEN DIOXIDE STORAGE CASSETTE</u>	United States of America	Issued	14/918,511
<u>11637-024US2</u>	<u>NITROGEN DIOXIDE STORAGE DEVICE</u>	United States of America	Issued	16/283,724
<u>11637-024US3</u>	<u>NITROGEN DIOXIDE STORAGE DEVICE</u>	United States of America	Issued	16/988,185
<u>11637-024US4</u>	<u>NITROGEN DIOXIDE STORAGE DEVICE</u>	United States of America	Pending	18/455,177
<u>11637-027US2</u>	<u>METHOD AND APPARATUS FOR</u> <u>ADMINISTERING</u> <u>GASES INCLUDING NITRIC OXIDE</u>	United States of America	Pending	16/773,707
<u>11637-031US1</u>	<u>METHOD AND APPARATUS FOR</u> <u>MANUFACTURING</u> <u>NITROGEN TETROXIDE</u>	United States of America	Issued	16/515,661
<u>11637-031US2</u>	<u>METHOD AND APPARATUS FOR</u> <u>MANUFACTURING</u> <u>NITROGEN TETROXIDE</u>	United States of America	Pending	17/559,745
<u>11637-032US1</u>	<u>METHOD AND APPARATUS FOR AUTOMATIC</u> <u>CALIBRATION</u>	United States of America	Issued	16/511,928
<u>11637-032US2</u>	<u>METHOD AND APPARATUS FOR AUTOMATIC</u> <u>CALIBRATION</u>	United States of America	Pending	18/338,892
<u>11637-033US1</u>	<u>METHOD AND APPARATUS FOR CALIBRATION</u> <u>OF GAS</u> <u>AND LIQUID CONCENTRATION SENSORS</u> <u>WITHOUT THE NEED FOR KNOWN</u> <u>CALIBRATION STANDARDS</u>	United States of America	Issued	16/513,274
<u>11637-033US2</u>	<u>METHOD AND APPARATUS FOR CALIBRATION</u> <u>OF GAS AND LIQUID CONCENTRATION</u> <u>SENSORS WITHOUT THE</u> <u>NEED FOR KNOWN CALIBRATION STANDARDS</u>	United States of America	Issued	17/666,185
<u>11637-033US3</u>	<u>METHOD AND APPARATUS FOR CALIBRATION</u> <u>OF GAS AND LIQUID CONCENTRATION</u> <u>SENSORS WITHOUT THE</u> <u>NEED FOR KNOWN CALIBRATION STANDARDS</u>	United States of America	Pending	18/353,443
<u>11637-036US1</u>	<u>START-UP PROTOCOLS FOR NITRIC OXIDE</u> <u>DELIVERY</u> <u>DEVICE</u>	United States of America	Issued	16/513,312
<u>11637-036US2</u>	<u>START-UP PROTOCOLS FOR NITRIC OXIDE</u> <u>DELIVERY</u> <u>DEVICE</u>	United States of America	Pending	18/310,152
<u>11637-041US1</u>	<u>SYSTEMS, METHODS, AND APPARATUS FOR</u> <u>PRODUCING NITRIC OXIDE</u>	United States of America	Pending	18/491,482
<u>11637-042US1</u>	<u>DUAL SENSOR FEEDBACK CONTROL SYSTEM</u> <u>FOR</u> <u>NITRIC OXIDE DOSING</u>	United States of America	Pending	18/491,463
<u>11637-043DX1</u>	<u>MALE GAS CONNECTOR</u>	United States of America	Issued	29/360,522
<u>11637-044DX1</u>	<u>FEMALE GAS CONNECTOR</u>	United States of America	Issued	29/360,525