

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
BELEW MEKONNEN	12/14/2017
JOHN A. BUTERA	12/14/2017
JIANXING HUANG	12/14/2017
HEMANTBHAI PATEL	02/19/2020
RECEIVING PARTY DATA	
Name:	HAGER BIOSCIENCES
Street Address:	116 RESEARCH DR., SUITE 265
City:	BETHLEHEM
State/Country:	PENNSYLVANIA
Postal Code:	18015
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	16471237
Application Number:	62436272
CORRESPONDENCE DATA	
Fax Number:	
<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>	
Email:	MARIA.MARLEY@HGLAW.COM
Correspondent Name:	HALEY GUILIANO LLP
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Address Line 4:	NEW YORK, NEW YORK 10004
ATTORNEY DOCKET NUMBER:	107042-0025-301, 001
NAME OF SUBMITTER:	MARIA E. MARLEY
SIGNATURE:	/MARIA E. MARLEY/
DATE SIGNED:	06/12/2020
Total Attachments: 11	
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ASSIGNMENT

We, Belew Mekonnen, John A. Butera and Jianxing Huang, residing at 452 Windy Hill Rd., Gilbertsville, PA 19525, USA; 6 Lawrence Spring Rd., Clarksburg, NJ 08510, USA; and 532 2nd Ave, 2RR, Bethlehem, PA 18018, USA, for good and valuable consideration, receipt of which is hereby acknowledged, have assigned, sold and transferred to and do hereby assign, sell and transfer to HAGER BIOSCIENCES, a corporation organized and existing under the laws of the State of Pennsylvania and having an office and a place of business at 116 Research Dr., Suite 265, Bethlehem, PA 18015, USA, its successors and assigns (1) the entire right, title and interest in the United States and in all countries throughout the world in and to any and all our inventions and discoveries disclosed in the following applications:

- (i) United States Provisional Application No. 62/436,272, filed December 19, 2016, and entitled "BENZODIAZEPINE DERIVATIVES, COMPOSITIONS, AND METHODS FOR TREATING COGNITIVE IMPAIRMENT";
- (ii) An International Patent Application that claims priority to application (i) above, filed/to be filed under the Patent Cooperation Treaty in the United States Receiving Office (RO/US) on December 20, 2017 * and assigned serial number PCT/IB2017/001762 * entitled "BENZODIAZEPINE DERIVATIVES, COMPOSITIONS, AND METHODS FOR TREATING COGNITIVE IMPAIRMENT", designating all PCT member states, including Albania (AL), Algeria (DZ), Angola (AO), Antigua & Barbuda (AG), Armenia (AM), Australia (AU), Austria (AT), Azerbaijan (AZ), Bahrain (BH), Barbados (BB), Belarus (BY), Belgium (BE), Belize (BZ), Benin (BJ), Bosnia and Herzegovina (BA), Botswana (BW), Brazil (BR), Bulgaria (BG), Brunei Darussalam (BN), Burkina Faso (BF), Cambodia (KH), Cameroon (CM), Canada (CA), Central African Republic (CF), Chad (TD), Chile (CL), China (CN), Colombia (CO), Comoros (KM), Congo (CG),

* We hereby authorize HAGER BIOSCIENCES to insert in this instrument the deposit date of the respective application when the date is known and the serial number of said application when HAGER BIOSCIENCES is officially notified thereof.

Costa Rica (CR), Côte d'Ivoire (CI), Croatia (HR), Cuba (CU), Cyprus (CY), Czechia (CZ), Democratic People's Republic of Korea (KP), Denmark (DK), Djibouti (DJ), Dominica (DM), Dominican Republic (DO), Ecuador (EC), Egypt (EG), El Salvador (SV), Equatorial Guinea (GQ), Estonia (EE), Finland (FI), France (FR), Gabon (GA), Gambia (GM), Georgia (GE), Germany (DE), Ghana (GH), Greece (GR), Grenada (GD), Guatemala (GT), Guinea (GN), Guinea Bissau (GW), Honduras (HN), Hungary (HU), Iceland (IS), India (IN), Indonesia (ID), Ireland (IE), Islamic Republic of Iran (IR), Israel (IL), Italy (IT), Japan (JP), Jordan (JO), Kazakhstan (KZ), Kenya (KE), Kuwait (KW), Kyrgyzstan (KG), Lao People's Democratic Republic (LA), Latvia (LV), Lesotho (LS), Liberia (LR), Libya (LY), Liechtenstein (LI), Lithuania (LT), Luxembourg (LU), Madagascar (MG), the former Yugoslav Republic of Macedonia (MK), Malawi (MW), Malaysia (MY), Mali (ML), Malta (MT), Mauritania (MR), Mexico (MX), Monaco (MC), Mongolia (MN), Montenegro (ME), Morocco (MA), Mozambique (MZ), Namibia (NA), Netherlands (NL), New Zealand (NZ), Nicaragua (NI), Niger (NE), Nigeria (NG), Norway (NO), Oman (OM), Panama (PA), Papua New Guinea (PG), Peru (PE), Philippines (PH), Poland (PL), Portugal (PT), Qatar (QA), Republic of Korea (KR), Republic of Moldova (MD), Romania (RO), Russian Federation (RU), Rwanda (RW), Saint Lucia (LC), Saint Kitts and Nevis (KN), Saint Vincent and the Grenadines (VC), San Marino (SM), São Tomé and Príncipe (ST), Saudi Arabia (SA), Senegal (SN), Serbia (RS), Seychelles (SC), Sierra Leone (SL), Singapore (SG), Slovakia (SK), Slovenia (SI), South Africa (ZA), Spain (ES), Sri Lanka (LK), Sudan (SD), Swaziland (SZ), Sweden (SE), Switzerland (CH), Syrian Arab Republic (SY), Tajikistan (TJ), United Republic of Tanzania (TZ), Togo (TG), Thailand (TH), Trinidad and Tobago (TT), Tunisia (TN), Turkey (TR), Turkmenistan (TM), Uganda (UG), Ukraine (UA), United Arab Emirates (AE), United Kingdom (GB), United States of America (US), Uzbekistan (UZ), Viet Nam (VN), Zambia (ZM) and Zimbabwe (ZW);

including any applications and patents claiming priority therefrom, and any renewals, revivals, reissues, reexaminations, extensions, supplementary protection certificates, continuations and divisions thereof, and any substitute applications therefor; (2) the full and complete right to file patent applications in the name of HAGER BIOSCIENCES, its designee, or in our names at HAGER BIOSCIENCES or its designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world; (3) the entire right, title and interest in and to any Letters Patent that claims priority therefrom in the United States or in any other country of the world and any renewals, revivals, reissues, reexaminations, supplementary protection

certificates, and extensions of the same; and (4) the entire right, title and interest in all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the above inventions, discoveries and applications.

We hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to HAGER BIOSCIENCES as the assignee of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

We agree, at any time, upon the request of HAGER BIOSCIENCES to execute and to deliver to HAGER BIOSCIENCES any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries or applications, and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

We further agree at any time to execute and to deliver upon request of HAGER BIOSCIENCES such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect the rights of HAGER BIOSCIENCES under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

ASSIGNOR:

Bele Mekonnen
Belew Mekonnen (1)

On this 14th day of December, 2017, Belew Mekonnen (1) personally appeared before me, a Notary Public in and for the state of Pennsylvania, and executed the foregoing Assignment and duly acknowledged to me that such Assignment was executed for the uses and purposes therein expressed.

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
Julie Ann Riedy, Notary Public
City of Bethlehem, Northampton County
My Commission Expires Dec. 18, 2020
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Julie Ann Riedy
Notary Public

ASSIGNOR:

John A. Butera
John A. Butera (2)

On this 14th day of December, 2017, John A. Butera (2) personally appeared before me, a Notary Public in and for the state of Pennsylvania, and executed the foregoing Assignment and duly acknowledged to me that such Assignment was executed for the uses and purposes therein expressed.

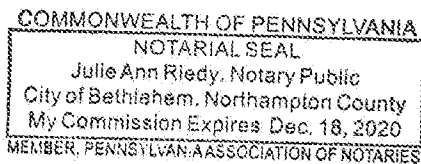
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Julie Ann Riedy, Notary Public
City of Bethlehem, Northampton County
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MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Julie Ann Riedy
Notary Public

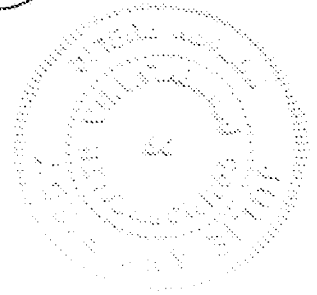
ASSIGNOR:

H/23
Jianxing Huang (3)

On this 14th day of December, 2017, Jianxing Huang (3) personally appeared before me, a Notary Public in and for the state of Pennsylvania, and executed the foregoing Assignment and duly acknowledged to me that such Assignment was executed for the uses and purposes therein expressed.

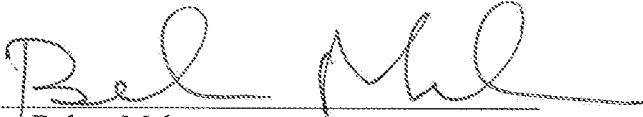


Julie Ann Riedy
Notary Public



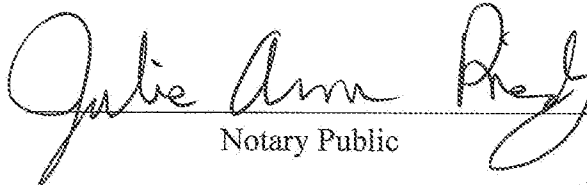
ACKNOWLEDGEMENT OF ASSIGNEE:

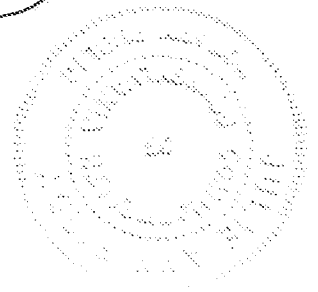
I hereby acknowledge the foregoing executed Assignment on behalf of
HAGER BIOSCIENCES

By: 
Name: Belew Mekonnen
Title: President & CEO

On this 14th day of December, 2017, Belew Mekonnen personally appeared
before me, a Notary Public in and for the state of Pennsylvania, and duly acknowledged
the executed Assignment on behalf of the Assignee.

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
Julie Ann Riedy, Notary Public
City of Bethlehem, Northampton County
My Commission Expires Dec. 18, 2020
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES


Notary Public



ASSIGNMENT

I, Hemantbhai Patel, residing at 348 Perrine Ave, Piscataway, NJ 08854, USA, for good and valuable consideration, receipt of which is hereby acknowledged, have assigned, sold and transferred to and do hereby assign, sell and transfer to HAGER BIOSCIENCES, a corporation organized and existing under the laws of the State of Delaware and having an office and a place of business at 116 Research Dr., Suite 265, Bethlehem, PA 18015, USA, its successors and assigns (1) the entire right, title and interest in the United States and in all countries throughout the world in and to any and all our inventions and discoveries disclosed in the following applications:

- (i) United States Patent Application No. 16/471,237, filed June 19, 2019, and entitled "BENZODIAZEPINE DERIVATIVES, COMPOSITIONS, AND METHODS FOR TREATING COGNITIVE IMPAIRMENT";
- (ii) United States Provisional Application No. 62/436,272, filed December 19, 2016, and entitled "BENZODIAZEPINE DERIVATIVES, COMPOSITIONS, AND METHODS FOR TREATING COGNITIVE IMPAIRMENT";
- (iii) An International Patent Application that claims priority to application (i) above, filed/to be filed under the Patent Cooperation Treaty in the United States Receiving Office (RO/US) on December 20, 2017 and assigned serial number PCT/IB2017/001762, entitled "BENZODIAZEPINE DERIVATIVES, COMPOSITIONS, AND METHODS FOR TREATING COGNITIVE IMPAIRMENT", designating all PCT member states, including Albania (AL), Algeria (DZ), Angola (AO), Antigua & Barbuda (AG), Armenia (AM), Australia (AU), Austria (AT), Azerbaijan (AZ), Bahrain (BH), Barbados (BB), Belarus (BY), Belgium (BE), Belize (BZ), Benin (BJ), Bosnia and Herzegovina (BA), Botswana (BW), Brazil (BR), Bulgaria (BG), Brunei Darussalam (BN), Burkina Faso (BF), Cambodia (KH), Cameroon (CM), Canada (CA), Central African Republic (CF), Chad (TD), Chile (CL), China (CN), Colombia (CO), Comoros (KM), Congo (CG), Costa Rica (CR), Côte d'Ivoire (CI), Croatia (HR), Cuba (CU), Cyprus (CY), Czechia (CZ), Democratic People's Republic of Korea (KP), Denmark (DK), Djibouti (DJ), Dominica (DM), Dominican Republic (DO), Ecuador (EC), Egypt (EG), El Salvador

(SV), Equatorial Guinea (GO), Estonia (EE), Finland (FI), France (FR), Gabon (GA),
Gambia (GM), Georgia (GE), Germany (DE), Ghana (GH), Greece (GR), Grenada (GD),
Guatemala (GT), Guinea (GN), Guinea Bissau (GW), Honduras (HN), Hungary (HU),
Iceland (IS), India (IN), Indonesia (ID), Ireland (IE), Islamic Republic of Iran (IR), Israel
(IL), Italy (IT), Japan (JP), Jordan (JO), Kazakhstan (KZ), Kenya (KE), Kuwait (KW),
Kyrgyzstan (KG), Lao People's Democratic Republic (LA), Latvia (LV), Lesotho (LS),
Liberia (LR), Libya (LY), Liechtenstein (LI), Lithuania (LT), Luxembourg (LU),
Madagascar (MG), the former Yugoslav Republic of Macedonia (MK), Malawi (MW),
Malaysia (MY), Mali (ML), Malta (MT), Mauritania (MR), Mexico (MX), Monaco (MC),
Mongolia (MN), Montenegro (ME), Morocco (MA), Mozambique (MZ), Namibia (NA),
Netherlands (NL), New Zealand (NZ), Nicaragua (NI), Niger (NE), Nigeria (NG),
Norway (NO), Oman (OM), Panama (PA), Papua New Guinea (PG), Peru (PE),
Philippines (PH), Poland (PL), Portugal (PT), Qatar (QA), Republic of Korea (KR),
Republic of Moldova (MD), Romania (RO), Russian Federation (RU), Rwanda (RW),
Saint Lucia (LC), Saint Kitts and Nevis (KN), Saint Vincent and the Grenadines (VC),
San Marino (SM), São Tomé and Príncipe (ST), Saudi Arabia (SA), Senegal (SN), Serbia
(RS), Seychelles (SC), Sierra Leone (SL), Singapore (SG), Slovakia (SK), Slovenia (SI),
South Africa (ZA), Spain (ES), Sri Lanka (LK), Sudan (SD), Swaziland (SZ), Sweden
(SE), Switzerland (CH), Syrian Arab Republic (SY), Tajikistan (TJ), United Republic of
Tanzania (TZ), Togo (TG), Thailand (TH), Trinidad and Tobago (TT), Tunisia (TN),
Turkey (TR), Turkmenistan (TM), Uganda (UG), Ukraine (UA), United Arab Emirates
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including any applications and patents claiming priority therefrom, and any renewals, revivals, reissues, reexaminations, extensions, supplementary protection certificates, continuations and divisions thereof, and any substitute applications therefor; (2) the full and complete right to file patent applications in the name of HAGER BIOSCIENCES, its designee, or in our names at HAGER BIOSCIENCES or its designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world; (3) the entire right, title and interest in and to any Letters Patent that claims priority therefrom in the United States or in any other country of the world and any renewals, revivals, reissues, reexaminations, supplementary protection certificates, and extensions of the same; and (4) the entire right, title and interest in all

Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the above inventions, discoveries and applications.

We hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to HAGER BIOSCIENCES as the assignee of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

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ASSIGNOR:

H. Patel

Hernantbhai Patel

On this 19th day of Feb., 2020, Hernantbhai Patel personally appeared before me,
a Notary Public in and for the state of Pennsylvania, and executed the foregoing
Assignment and duly acknowledged to me that such Assignment was executed for the uses and
purposes therein expressed.

Julie Ann Riedy
Notary Public

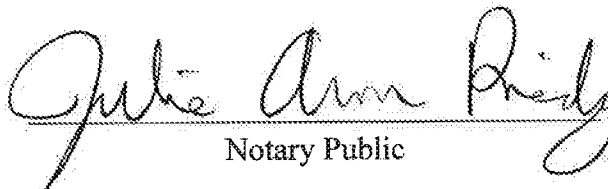
COMMONWEALTH OF PENNSYLVANIA
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MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

ACKNOWLEDGEMENT OF ASSIGNEE:

I hereby acknowledge the foregoing executed Assignment on behalf of
HAGER BIOSCIENCES

By: 
Name: Belew Mekonnen
Title: President & CEO

On this 19th day of February, 2020, Belew Mekonnen personally appeared
before me, a Notary Public in and for the state of Pennsylvania, and duly acknowledged
the executed Assignment on behalf of the Assignee.


Notary Public

