

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6445426

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KATHERINE ARLINE	12/02/2019
JAMIE DEMPSEY BARBER	03/04/2019
WILLIAM M. SIDERS	08/29/2019
JOHANNE KAPLAN	12/31/2018
RECEIVING PARTY DATA	
Name:	SHEPHERD THERAPEUTICS, INC.
Street Address:	27 STRATHMORE ROAD
City:	NATICK
State/Country:	MASSACHUSETTS
Postal Code:	01760
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	16229783
PCT Number:	US2018067275
CORRESPONDENCE DATA	
Fax Number:	(202)842-7899
<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>	
Phone:	6179372300
Email:	jsteinfield@cooley.com
Correspondent Name:	COOLEY LLP
Address Line 1:	1299 PENNSYLVANIA AVENUE NW
Address Line 2:	SUITE 700
Address Line 4:	WASHINGTON, D.C. 20004
ATTORNEY DOCKET NUMBER:	SHEP-001/001US & 001WO
NAME OF SUBMITTER:	JESSICA D. CANDE
SIGNATURE:	/Jessica D. Cande/
DATE SIGNED:	12/11/2020
Total Attachments: 8	

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ASSIGNMENT

Katherine ARLINE, Jamie Dempsey BARBER, William M. SIDERS, and Johanne KAPLAN (each referred to as “Assignor”) have made an invention(s) (the “Invention(s)”) set forth in an application for patent entitled **PYRVINIUM PAMOATE THERAPIES AND METHODS OF USE**, and which is a:

- (1) provisional application
 - (a) to be filed herewith; or
 - (b) bearing Application No. , and filed on ;
- (2) non-provisional application
 - (a) to be filed herewith; or
 - (b) bearing Application No. **16/229,783**, and filed on **December 21, 2018**; and/or
- (3) PCT application
 - (a) bearing Application No. **PCT/US2018/067275**, and filed on **December 21, 2018**. and/or
- (4) attached hereto.

WHEREAS, Shepherd Therapeutics, Inc., having its principal place of business at 27 Strathmore Road, Natick, MA 01760, its successors, legal representatives and assigns (the “Assignee”), is desirous of acquiring the entire right, title, and interest in: the Invention(s); the application(s) for patent identified above; the right to file applications for patent of the United States or other countries on the Invention(s); any application(s) for patent of the United States or other countries claiming priority to, and/or the benefit of, these applications; any provisional or other right to recover any and all past, present, and future damages, including royalties, for any and all past, present, and future infringements of these application(s); and any and all patent(s) of the United States or other countries that may be granted therefor or thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee or a predecessor in interest of the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee or a predecessor in interest of the Assignee then in confirmation of any obligation to do so in said prior agreement, the Assignor has sold, assigned, transferred, and set over, and by these presents

does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignor's entire right, title, and interest in:

- (a) the Invention(s);
- (b) the application(s) for patent identified above;
- (c) the right to file applications for patent of the United States or other countries on the Invention(s), including all rights under the Hague Convention, the Paris Convention for the Protection of Industrial Property, and under the Patent Cooperation Treaty, and all rights of claiming priority in any country of the world;
- (d) any application(s) for patent of the United States or other countries claiming the Invention(s);
- (e) any application(s) for patent of the United States or other countries claiming priority to, and/or the benefit of, at least one of the application(s) for patent identified above or any application(s) for patent claiming the Invention(s), including any priority application(s), substitute application(s), division(s), continuation(s), and continuation(s)-in-part;
- (f) any provisional or other right to recover any and all past, present, and future damages, including royalties, for any and all past, present, and future infringements of any application for patent identified in the preceding paragraphs (b)-(e) and of any and all patent(s) granted based thereon in the United States and in all other countries; and
- (g) any patent(s) of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (b)-(e), including any reissue(s), reexamination(s), revival(s), renewal(s) and extension(s) of said patent(s).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made.

The Assignor hereby represents to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, the Assignor is a lawful owner of an undivided interest in the entire right, title, and interest in and to the Invention(s), that the Invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth herein, and that Assignor will not make or enter into any assignment, sale, agreement or encumbrance which would conflict with these presents.

The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), said application(s), and said patent(s), including interference and derivation proceedings, and any post-grant proceedings (e.g., opposition proceedings, post-grant reviews, *Inter partes* reviews, supplemental examinations, etc.) without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignor hereby authorizes and requests the attorneys of COOLEY LLP to insert in the spaces provided above the filing date, the application number, and the attorney docket number of the application(s) identified above when known.

The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date: 12/2/19

By: Katherine Arline
Katherine Arline

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of Massachusetts)
County of Suffolk) ss.

On 12/2/19, before me, Steph Nordberg, Notary Public, personally appeared Katherine Arline, who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Steph Nordberg
Signature of Notary Public

Place Notary Seal Above

My Commission Expires: 02/14/2022



Date: 03/04/19

By: Jamie D. Barber
Jamie Dempsey Barber

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

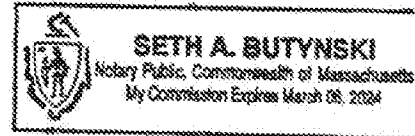
State of MASSACHUSETTS)

) ss.

County of PLYMOUTH)

On MARCH 4, 2019, before me, SETH A. BUTYNSKI, Notary Public, personally appeared Jamie Dempsey Barber, who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



[Signature]
Signature of Notary Public

Place Notary Seal Above

My Commission Expires: 03/08/2024

Date: Aug. 29, 2019

By: William M. Siders
William M. Siders

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of MASSACHUSETTS)
County of NORFOLK) ss.

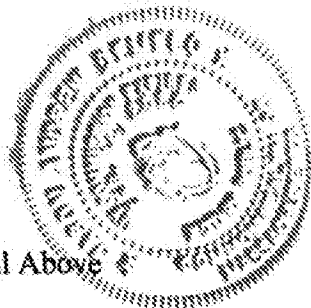
On AUGUST 29 2019, before me, JASON DEMELO, Notary Public, personally appeared William M. Siders, who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Jason Demelo
Signature of Notary Public



JASON ANDREW DEMELO
Notary Public
Commonwealth of Massachusetts
My Commission Expires Feb. 14, 2025



Place Notary Seal Above

My Commission Expires: FEBRUARY 14, 2025

Date: 12/31/18

By: *Johanne Kaplan*
Johanne Kaplan

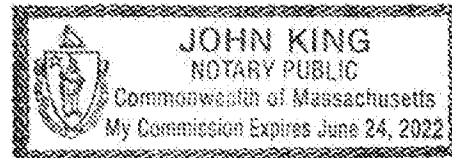
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of Massachusetts)
County of Middlesex) ss.

On 12/31/2018, before me, *John King*, Notary Public, personally appeared Johanne Kaplan, who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

John King
Signature of Notary Public



Place Notary Seal Above


My Commission Expires: 6-24-2022

Docket No. SHEP-001/001US 330853-2009
Docket No. SHEP-001/001WO 330853-2011

For and on behalf of ASSIGNEE:

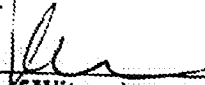
Date: 12/8/20

By:


Name: David A. Ross
Title: CEO President
Company: Shepherd Therapeutics, Inc.

IN WITNESS WHEREOF, I, Kare Krupp, hereby declare
(Printed Name of Witness)

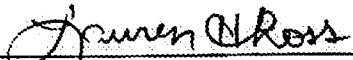
that I was personally present and did see the above named person duly sign and execute the assignment.


(Signature of Witness)

Date: 12/8/20

IN WITNESS WHEREOF, I, Lauren Ross, hereby declare
(Printed Name of Witness)

that I was personally present and did see the above named person duly sign and execute the assignment.


(Signature of Witness)

Date: 12/8/20