

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5163179

|                                                                                                                                                                                                 |                                                             |                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------|
| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT                                              |                       |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                                                  |                       |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                                                             |                       |
|                                                                                                                                                                                                 | <b>Name</b>                                                 | <b>Execution Date</b> |
|                                                                                                                                                                                                 | EMILY A. STEIN                                              | 08/20/2015            |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                                                             |                       |
| <b>Name:</b>                                                                                                                                                                                    | PRIMAL THERAPIES, INC.                                      |                       |
| <b>Street Address:</b>                                                                                                                                                                          | 3475 EDISON WAY                                             |                       |
| <b>City:</b>                                                                                                                                                                                    | MENLO PARK                                                  |                       |
| <b>State/Country:</b>                                                                                                                                                                           | CALIFORNIA                                                  |                       |
| <b>Postal Code:</b>                                                                                                                                                                             | 94025                                                       |                       |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                                                             |                       |
|                                                                                                                                                                                                 | <b>Property Type</b>                                        | <b>Number</b>         |
|                                                                                                                                                                                                 | Application Number:                                         | 16144657              |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                                                             |                       |
| <b>Fax Number:</b>                                                                                                                                                                              | (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> |                                                             |                       |
| <b>Phone:</b>                                                                                                                                                                                   | (650) 843-5694                                              |                       |
| <b>Email:</b>                                                                                                                                                                                   | zIPPatentDocketingMailboxUS@cooley.com, pellison@cooley.com |                       |
| <b>Correspondent Name:</b>                                                                                                                                                                      | CONNIE C. TONG, COOLEY LLP                                  |                       |
| <b>Address Line 1:</b>                                                                                                                                                                          | ATTN: IP DOCKETING DEPARTMENT                               |                       |
| <b>Address Line 2:</b>                                                                                                                                                                          | 1299 PENNSYLVANIA AVENUE NW, SUITE 700                      |                       |
| <b>Address Line 4:</b>                                                                                                                                                                          | WASHINGTON, D.C. 20004                                      |                       |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | PRML-001/03US 329379-2010                                   |                       |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | CONNIE C. TONG                                              |                       |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /Connie C. Tong/                                            |                       |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 09/27/2018                                                  |                       |
| <b>Total Attachments: 2</b>                                                                                                                                                                     |                                                             |                       |
| source=copy _Assignment_from_parent#page1.tif                                                                                                                                                   |                                                             |                       |
| source=copy _Assignment_from_parent#page2.tif                                                                                                                                                   |                                                             |                       |

## ASSIGNMENT

This assignment is by:

1. Emily A. STEIN  
963 Helen Avenue  
San Leandro, California 94577

(referred to in this Assignment as "Assignor"), who resides at or has a mailing address as listed above.

This Assignment is to:

Assignee: Primal Therapies, Inc.  
Address: 3475 Edison Way, Menlo Park, CA 94025  
A corporation duly organized under and pursuant to the laws of Delaware

(referred to in this Assignment as "Assignee"), who desire to acquire the entire right, title and interest in said inventions and said applications for letters patent of the United States, and in any United States or foreign, letters patent or patents, to be obtained therefor and thereon.

Assignor has invented certain new and useful inventions for which the following provisional and PCT applications have been filed in the United States of America:

Title: ANTIMICROBIAL COMBINATIONS TO PROMOTE HEALTH  
Serial No.: 61/851,748 Filing Date: March 12, 2013

Title: TREATMENT AND PREVENTION OF DISEASES ASSOCIATED WITH MICROBIAL METABOLISM  
Serial No.: 61/965,678 Filing Date: February 5, 2014

Title: DENTAL COMPOSITION COMPRISING CHELATOR AND BASE  
Serial No.: PCT/US2014/024613 Filing Date: March 12, 2014

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged,

1. Assignor hereby sells, assigns, transfers and sets over, to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and applications for letters patent, and any and all letters patent or patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all other provisionals, non-provisionals, divisions, continuations, continuations-in-part and substitutions of said applications, or reissues, re-examinations or extensions of said letters patent or patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee (including any right to institute actions and to recover for past, present and future infringement), for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which letters patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

2. Assignor represents, warrants and covenants that, at the time of execution and delivery of this agreement, Assignor is the sole and lawful owner of the entire right, title and interest in and to said inventions and said applications for letters patent, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth in this agreement.

3. Assignor shall promptly sign and execute all papers and documents, take all lawful oaths, and do all acts necessary, required or useful for the procurement, maintenance, enforcement, defense or otherwise to secure title thereto.

to the Assignee; at the sole cost and expense of Assignee, its successors, legal representatives and assigns, in each case including, without limitation, arising from or relating to (a) said inventions, or said applications for letters patent; (b) letters patent for said inventions in any country, including any reissue, re-examination or extension of or interference proceedings; or (c) any provisional, division, continuation, continuation-in-part, or substitutions of any applications for letters patent or any reissues, re-examinations, extensions or interference proceedings involving any letters patent, to be obtained thereon. To be clear, for purposes of this paragraph, "desirable" shall include, without limitation, any act necessary or useful in connection with United States laws and/or international conventions.

4. Assignor hereby authorizes and requests the Commissioner of Patents in the United States to issue the above mentioned letters patents of the United States to Assignee as the assignee of said inventions and the letters patent to be issued thereon for the sole use of Assignee, its successors, legal representatives and assigns.

5. "I hereby grant Assignee's attorneys, all of Morrison & Foerster LLP, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark office for recordation of this document, including the power to insert on this assignment the application numbers and filing dates of said applications when known."

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date: 08-20-15

Signature: \_\_\_\_\_

Emily A. Stein