

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4139551

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST
CONVEYING PARTY DATA	
Name	Execution Date
CHROMADEx CORPORATION	11/04/2016
RECEIVING PARTY DATA	
Name:	WESTERN ALLIANCE BANK
Street Address:	55 ALMADEN BOULEVARD, SUITE 100
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95113
PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	8106184
CORRESPONDENCE DATA	
Fax Number:	(858)638-5130
<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:	858-677-1400
Email:	susan.reynholds@dlapiper.com
Correspondent Name:	DLA PIPER LLP (US)
Address Line 1:	4365 EXECUTIVE DRIVE, SUITE 1100
Address Line 4:	SAN DIEGO, CALIFORNIA 92121
NAME OF SUBMITTER:	TROY ZANDER
SIGNATURE:	/s/ Troy Zander
DATE SIGNED:	11/11/2016
Total Attachments: 5	
source=ChromaDex Corp IPSA#page1.tif	
source=ChromaDex Corp IPSA#page2.tif	
source=ChromaDex Corp IPSA#page3.tif	
source=ChromaDex Corp IPSA#page4.tif	
source=ChromaDex Corp IPSA#page5.tif	

INTELLECTUAL PROPERTY SECURITY AGREEMENT

This INTELLECTUAL PROPERTY SECURITY AGREEMENT, dated as of ^{November 4th} October, 2016, (the "Agreement") between WESTERN ALLIANCE BANK, an Arizona corporation ("Lender") and CHROMADEX CORPORATION, a Delaware corporation ("Grantor") is made with reference to the Business Financing Agreement, dated as of ^{November 4th} October, 2016 (as amended from time to time, the "Financing Agreement"), among Lender, Grantor, CHROMADEX, INC., CHROMADEX ANALYTICS, INC. and SPHERIX CONSULTING, INC. Terms not otherwise defined herein are defined as set forth in the Financing Agreement.

For good and valuable consideration, receipt of which is hereby acknowledged, Grantor hereby covenants and agrees as follows:

To secure the Obligations under the Financing Agreement, Grantor grants to Lender a security interest in all right, title, and interest of Grantor in any of the following, whether now existing or hereafter acquired or created in any and all of the following property (collectively, the "Intellectual Property Collateral"):

(a) copyright rights, copyright applications, copyright registrations and like protections in each work or authorship and derivative work thereof, whether published or unpublished and whether or not the same also constitutes a trade secret, now or hereafter existing, created, acquired or held (collectively, the "Copyrights"), including the Copyrights described in Exhibit A;

(b) trademark and servicemark rights, whether registered or not, applications to register and registrations of the same and like protections, and the entire goodwill of the business of Borrower connected with and symbolized by such trademarks (collectively, the "Trademarks"), including the Trademarks described in Exhibit B;

(c) patents, patent applications and like protections including without limitation improvements, divisions, continuations, renewals, reissues, extensions and continuations-in-part of the same (collectively, the "Patents"), including the Patents described in Exhibit C;

(d) mask work or similar rights available for the protection of semiconductor chips or other products (collectively, the "Mask Works");

(e) trade secrets, and any and all intellectual property rights in computer software and computer software products;

(f) design rights;

(g) claims for damages by way of past, present and future infringement of any of the rights included above, with the right, but not the obligation, to sue for and collect such damages for said use or infringement of the intellectual property rights identified above;

(h) licenses or other rights to use any of the Copyrights, Patents, Trademarks, or Mask Works, and all license fees and royalties arising from such use to the extent permitted by such license or rights;

(i) amendments, renewals and extensions of any of the Copyrights, Trademarks, Patents, or Mask Works, and

(j) proceeds and products of the foregoing, including without limitation all payments under insurance or any indemnity or warranty payable in respect of any of the foregoing.

The rights and remedies of Lender with respect to the security interests granted hereunder are in addition to those set forth in the Financing Agreement, and those which are now or hereafter available to Lender as a matter of law or equity. Each right, power and remedy of Lender provided for herein or in the Financing Agreement, or now or hereafter existing at law or in equity shall be cumulative and concurrent and shall be in addition to every right, power or remedy provided for herein, and the exercise by Lender of any one or more of such rights, powers or remedies does not preclude the simultaneous or later exercise by Lender of any other rights, powers or remedies.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the date first written above.

GRANTOR:

CHROMADEX CORPORATION

By MCC
Name Thomas C. Vorse
Title CEO

Address for Notices:
Attn: Tom Varvarc, Chief Financial Officer
10005 Muirlands Boulevard, Suite G
Irvine, CA 92618
Fax: (949) 358-1601

LENDER:

WESTERN ALLIANCE BANK, an Arizona Corporation

By Grant Simon
Name Grant Simon
Title AVP

Address for Notices:
Attn: Justin Vogel
55 Almaden Blvd. Ste. 100
San Jose, CA 95113
Tel: (408) 423-8500
Fax: (408) 689-8542

[Signature Page to Intellectual Property Security Agreement]

EXHIBIT C

PATENTS

Please Check if No Patents Exist

Title	Patent Number	Application Serial Number	Issued or Published?	Issue Date
Nicotinoyl riboside compositions and methods of use	8106184		YES	1/31/2012
Nicotinoyl riboside compositions and methods of use		US 2012172584 A1	NO	
Nicotinoyl riboside compositions and methods of use		IN 4526Delnp/2008	NO	
Nicotinoyl riboside compositions and methods of use		EP 1957086 A2	NO	
Nicotinoyl riboside compositions and methods of use		CN 101380421 A	NO	

WEST 1658555.2
355157-000281