505854036 01/08/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5900973

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL T. LONGAKER	02/09/2019
IRVING L. WEISSMAN	06/29/2018
RUTH TEVLIN	08/02/2018
CHARLES K. F. CHAN	03/02/2018

RECEIVING PARTY DATA

Name:	THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY
Street Address:	OFFICE OF THE GENERAL COUNSEL, BUILDING 170, 3RD FLOOR, MAIN QUAD, P.O. BOX 20386
City:	STANFORD
State/Country:	CALIFORNIA
Postal Code:	94305-2038

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16475353

CORRESPONDENCE DATA

Fax Number: (650)327-3231

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.

6503273400 Phone:

Email: perez@bozpat.com

BOZICEVIC, FIELD & FRANCIS LLP **Correspondent Name:** 201 REDWOOD SHORES PARKWAY Address Line 1:

Address Line 2: SUITE 200

Address Line 4: **REDWOOD CITY, CALIFORNIA 94065**

ATTORNEY DOCKET NUMBER:	STAN-1373
NAME OF SUBMITTER:	PAMELA J. SHERWOOD
SIGNATURE:	/PAMELA J. SHERWOOD, REG. NO. 36,677/
DATE SIGNED:	01/08/2020

Total Attachments: 5

PATENT REEL: 051454 FRAME: 0593

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PATENT REEL: 051454 FRAME: 0594

Atty Docket No. STAN-1373WO Page 1 of 2

THIS ASSIGNMENT, by LONGAKER, MICHAEL T. residing in Atherton, California, WEISSMAN, IRVING L. residing in Stanford, California, Tevlin, Ruth residing in Stanford, California, and Chan, Charles K.F. residing in Redwood City, California (hereinafter referred to as the assignors), witnesseth:

WHEREAS, the said assignors have invented certain new and useful improvements in:

"Reversing Deficient Hedgehog Signaling Restores Deficient Skeletal Regeneration"

X filed on 08 January 2018 as PCT International Application No. PCT/US2018/012823 designating the United States.

WHEREAS, The Board of Trustees of the Leland Stanford Junior University, a non-profit organization duly organized under and pursuant to the laws of California, and having its principal place of business at Office of the General Counsel, Building 170, 3rd Floor, Main Quad, P.O. Box 20386, Stanford, California 94305-2038 (hereinafter referred to as the assignce), is desirous of acquiring their right, title and interest in and to said invention and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW THEREFORE, for good and sufficient considerations, the receipt of which is hereby acknowledged, said assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto the assignee, its successors, legal representatives and assigns, all of their right, title and interest in and to, as well as the right to claim priority of, the above-mentioned invention, application 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 divisions, continuations, and continuations-in-part of said application, or reissues 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 said assignee, for its own use and behalf and the use and behalf 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 the assignors, had this sale and assignment not been made.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and that said assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that said assignors will, whenever counsel of said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said invention, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said invention in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said invention. Without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of said assignee, its successors, legal representatives and assigns.

AND said assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to said assignee as the assignee of said invention and the Letters Patent to be issued thereon for the use and behalf of said assignee, its successors, legal representatives and assigns.

Date 2/9/18	Name of Inventor LONGAKER, MICHAEL T.
Date	Name of Inventor WEISSMAN, IRVING L.
Date	Nume of Inventor Teylin, Ruth
Date	Name of Inventor Chan, Charles K.F.

Atty Docket No. STAN-1373WO Page 1 of 2

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AND said assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to said assignee as the assignee of said invention and the Letters Patent to be issued thereon for the use and behalf of said assignee, its successors, legal representatives and assigns.

Date	Name of Inventor
Date	Name of Inventor WEISSMAN, IRVING L.
Date	Name of Inventor
Date	Name of Inventor Chan, Charles K.F.
	Chan, Charles Kir.

Atty Docket No. STAN-1373WO Page 1 of 2

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Date	Name of InventorLONGAKER, MICHAEL T.
Date	Name of InventorWEISSMAN, IRVING L.
Date 8.2.18	Name of Inventor Ruth Tevle Tevlin, Ruth
Date	Name of Inventor Chan, Charles K.F.

PATENT REEL: 051454 FRAME: 0597

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Date	Name of Inventor
	LONGAKER, MICHAEL T.
Date	Name of Inventor
	WEISSMAN, IRVING L.
Date	Name of Inventor
	Tevlin, Ruth
Date 3/2/18	Name of Inventor <u>Charles Chan</u>
	Chan, Charles K.F.

PATENT REEL: 051454 FRAME: 0598

Atty Docket No. STAN-1373WO Filed

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Hereby accepted on behalf of the assignee

Signature

August 9, 2018

Pamela J. Sherwood

Date

Name (print)

Senior Patent Agent

Bozicevic, Field & Francis LLP

Title and Company

PATENT REEL: 051454 FRAME: 0599

RECORDED: 01/08/2020