# 507116272 02/07/2022

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7163112

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
YUNZHI YANG	02/26/2018
ARNAUD BRUYAS	02/26/2018
MICHAEL J GARDNER	02/26/2018

## **RECEIVING PARTY DATA**

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

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
PCT Number:	US2019019483

#### CORRESPONDENCE DATA

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Email: ron@lumenpatent.com

Correspondent Name: RON JACOBS

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Address Line 2: SUITE 225

Address Line 4: PALO ALTO, CALIFORNIA 94306

ATTORNEY DOCKET NUMBER:	S17-165/PCT
NAME OF SUBMITTER:	RON JACOBS
SIGNATURE:	/Ron Jacobs/
DATE SIGNED:	02/07/2022

**Total Attachments: 3** 

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PATENT REEL: 058913 FRAME: 0933

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> PATENT REEL: 058913 FRAME: 0934

# ASSIGNMENT OF INVENTION AND PATENT

This Assignment of Invention and Patent (the "Assignment") is made and effective as of **February 26, 2018**, by and between **Yunzhi Yang**, an individual residing in **Redwood City, CA, US**, (the "Assignor") and **The Board of Trustees of the Leland Stanford Junior University**, an entity whose address is **Office of the General Counsel, P.O. Box 20386, Stanford, CA 94305-2038, US** (the "Assignee").

- 1) For good and valuable consideration, the receipt of which is hereby acknowledged, Assignor hereby sells, assigns and transfers to Assignee and the successors, assigns, and legal representatives of Assignee, all of its right, title and interest in and to (i) the invention or inventions described in US provisional patent application 62/635439 filed 2/26/2018 entitled Graft for Segmental Bone Defect Repair (the "Application") naming Assignor as an inventor, (ii) any and all patent applications (whether provisional or non-provisional) relating to said invention(s), including all continuations, continuations-in-part, divisions, substitutes, reissues or renewals thereof, in any and all countries, (iii) any and all patents relating to such invention(s) in any and all countries that may be granted on any such application(s), including all reissues or extensions of any such patents and (iv) any and all domestic and foreign rights of priority resulting from the filing of the Application.
- 2) Assignor hereby agrees that no assignment, sale, agreement or encumbrance has been or will be made or entered into by Assignor which would conflict with this Assignment. Assignor represents and warrants to Assignee that at the time of the execution and delivery of this Assignment, Assignor solely owns (or jointly owns, if the invention(s) were jointly made) the entire right, title and interest in and to sald invention(s).
- 3) Assignor agrees that Assignee may apply for foreign patents relating to said invention(s) and irrevocably authorizes Assignee and grants Assignee the right to do so.
- 4) Assignor agrees, on request and without further consideration, but at the expense of Assignee, to sign all lawful papers, make all rightful oaths, and give any required testimony in any legal proceedings relating to said invention(s), and to generally aid Assignee, or its successors or assigns to obtain and enforce patent protection for said invention(s) in any and all countries.
- 5) Assignor authorizes and requests any official whose duty it is to issue patents to issue any patent on said invention(s) to Assignee, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made.
- 6) This Assignment shall bind and inure to the benefit of the successors, assigns and personal representatives of the respective parties.

Assignor has executed this Assignment as of the Effective Date of February 26, 2018.

Signature:

Lumen Ref.: S17-165B/PROV - Client Ref.: 17-165

PID: 24104 IID: 5653

#### ASSIGNMENT OF INVENTION AND PATENT

This Assignment of Invention and Patent (the "Assignment") is made and effective as of February 26, 2018, by and between Arnaud Bruyas, an individual residing in München, CA, Germany, (the "Assignor") and The Board of Trustees of the Leland Stanford Junior University, an entity whose address is Office of the General Counsel, P.O. Box 20386, Stanford, CA 94305-2038, US (the "Assignee").

- 1) For good and valuable consideration, the receipt of which is hereby acknowledged, Assignor hereby sells, assigns and transfers to Assignee and the successors, assigns, and legal representatives of Assignee, all of its right, title and interest in and to (i) the invention or inventions described in US provisional patent application 62/635439 filed 2/26/2018 entitled Graft for Segmental Bone Defect Repair (the "Application") naming Assignor as an inventor, (ii) any and all patent applications (whether provisional or non-provisional) relating to said invention(s), including all continuations, continuations-in-part, divisions, substitutes, reissues or renewals thereof, in any and all countries, (iii) any and all patents relating to such invention(s) in any and all countries that may be granted on any such application(s), including all reissues or extensions of any such patents and (iv) any and all domestic and foreign rights of priority resulting from the filing of the Application.
- 2) Assignor hereby agrees that no assignment, sale, agreement or encumbrance has been or will be made or entered into by Assignor which would conflict with this Assignment. Assignor represents and warrants to Assignee that at the time of the execution and delivery of this Assignment, Assignor solely owns (or jointly owns, if the invention(s) were jointly made) the entire right, title and interest in and to said invention(s).
- 3) Assignor agrees that Assignee may apply for foreign patents relating to said invention(s) and irrevocably authorizes Assignee and grants Assignee the right to do so.
- 4) Assignor agrees, on request and without further consideration, but at the expense of Assignee, to sign all lawful papers, make all rightful oaths, and give any required testimony in any legal proceedings relating to said invention(s), and to generally aid Assignee, or its successors or assigns to obtain and enforce patent protection for said invention(s) in any and all countries.
- 5) Assignor authorizes and requests any official whose duty it is to issue patents to issue any patent on said invention(s) to Assignee, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made.
- 6) This Assignment shall bind and inure to the benefit of the successors, assigns and personal representatives of the respective parties.

Assignor has executed this Assignment as of the Effective Date of February 26, 2018.

Signature: \_\_\_\_\_\_\_Assignor: Arnaud Bruyes

Lumen Ref.: S17-165B/PROV - Client Ref.: 17-165

PID: 24104 IID: 6119

### **ASSIGNMENT OF INVENTION AND PATENT**

This Assignment of Invention and Patent (the "Assignment") is made and effective as of **February 26, 2018**, by and between **Michael J Gardner**, an individual residing in **Stanford, CA, US,** (the "Assignor") and **The Board of Trustees of the Leland Stanford Junior University**, an entity whose address is **Office of the General Counsel, P.O. Box 20386, Stanford, CA 94305-2038, US** (the "Assignee").

- 1) For good and valuable consideration, the receipt of which is hereby acknowledged, Assignor hereby sells, assigns and transfers to Assignee and the successors, assigns, and legal representatives of Assignee, all of its right, title and interest in and to (i) the invention or inventions described in US provisional patent application 62/635439 filed 2/26/2018 entitled Graft for Segmental Bone Defect Repair (the "Application") naming Assignor as an inventor, (ii) any and all patent applications (whether provisional or non-provisional) relating to said invention(s), including all continuations, continuations-in-part, divisions, substitutes, reissues or renewals thereof, in any and all countries, (iii) any and all patents relating to such invention(s) in any and all countries that may be granted on any such application(s), including all reissues or extensions of any such patents and (iv) any and all domestic and foreign rights of priority resulting from the filing of the Application.
- 2) Assignor hereby agrees that no assignment, sale, agreement or encumbrance has been or will be made or entered into by Assignor which would conflict with this Assignment. Assignor represents and warrants to Assignee that at the time of the execution and delivery of this Assignment, Assignor solely owns (or jointly owns, if the invention(s) were jointly made) the entire right, title and interest in and to said invention(s).
- 3) Assignor agrees that Assignee may apply for foreign patents relating to said invention(s) and irrevocably authorizes Assignee and grants Assignee the right to do so.
- 4) Assignor agrees, on request and without further consideration, but at the expense of Assignee, to sign all lawful papers, make all rightful oaths, and give any required testimony in any legal proceedings relating to said invention(s), and to generally aid Assignee, or its successors or assigns to obtain and enforce patent protection for said invention(s) in any and all countries.
- 5) Assignor authorizes and requests any official whose duty it is to issue patents to issue any patent on said invention(s) to Assignee, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made.
- 6) This Assignment shall bind and inure to the benefit of the successors, assigns and personal representatives of the respective parties.

Assignor has executed this Assignment as of the Effective Date of February 26, 2018.

Signature:
Assignor: Michael J Gardner

Lumen Ref.: S17-165B/PROV - Client Ref.: 17-165

PID: 24104 IID: 6200

PATENT REEL: 058913 FRAME: 0937

RECORDED: 02/07/2022