

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7732693

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
DAVID OUYANG	05/05/2021
BRYAN HE	07/11/2021
JAMES ZOU	11/17/2022
EUAN A. ASHLEY	11/18/2022
RECEIVING PARTY DATA	
Name:	THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY
Street Address:	BUILDING 170, THIRD FLOOR, MAIN QUAD
Internal Address:	P.O. BOX 20386
City:	STANFORD
State/Country:	CALIFORNIA
Postal Code:	94305-2038
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17218052
CORRESPONDENCE DATA	
Fax Number:	(949)852-0004
<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:	9498520000
Email:	pair@kppb.com
Correspondent Name:	KPPB LLP
Address Line 1:	2190 S. TOWNE CENTRE PLACE
Address Line 2:	SUITE 300
Address Line 4:	ANAHEIM, CALIFORNIA 92806
ATTORNEY DOCKET NUMBER:	S31-06662
NAME OF SUBMITTER:	LESLIE PARK
SIGNATURE:	/Leslie Park/
DATE SIGNED:	01/09/2023
This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 13

source=06662assigndec#page1.tif
source=06662assigndec#page2.tif
source=06662assigndec#page3.tif
source=06662assigndec#page4.tif
source=06662assigndec#page5.tif
source=06662assigndec#page6.tif
source=06662assigndec#page7.tif
source=06662assigndec#page8.tif
source=06662assigndec#page9.tif
source=06662assigndec#page10.tif
source=06662assigndec#page11.tif
source=06662assigndec#page12.tif
source=06662assigndec#page13.tif

COMBINED ASSIGNMENT AND DECLARATION

Attorney Docket No.: S31-06662
Stanford Docket No.: S20-050

WHEREAS, **David Ouyang** of Los Angeles, CA, **Bryan He** of Stanford, CA, **James Zou** of Stanford, CA, and **Euan A. Ashley** of Stanford, CA is/are the inventor(s) of an invention entitled "Methods and Systems Using Video-Based Machine Learning for Beat-To-Beat Assessment of Cardiac Function" that is the subject matter of: (check all that apply)

- a provisional application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. ###/###,### filed on Month Day, Year;
- an application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. **17/218,052** filed on **March 30, 2021** and/or executed on even date herewith; and
- an international application for Letters Patent filed pursuant to the Patent Cooperation Treaty which is identifiable in the United States Patent and Trademark Office by Application No. ###/###,### filed on Month Day, Year and/or executed on even date herewith;

WHEREAS, The Board of Trustees of the Leland Stanford Junior University, a trust with corporate powers under the laws of the State of California and the United States of America, and having offices at Building 170, Third Floor, Main Quad, P.O. Box 20386, Stanford, CA 94305-2038 USA, ("Assignee") is desirous of acquiring the entire right, title, and interest in and to the invention, the applications, and any and all Letters Patent or similar foreign or domestic legal protection;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I transfer to Assignee, its successors and assigns, my entire right, title, and interest in and to the invention, the above-identified applications, the right to claim priority, all provisional applications from which any of the above-identified applications claim priority, corresponding domestic and foreign applications, any continuation, division, renewal, or substitute for the applications, all Letters Patent, any reissue, re-examination, or similar legal protection issuing related to the Letters Patent, and all rights and benefits under any applicable treaty or convention; and I authorize the Director of the United States Patent and Trademark Office or foreign equivalent to issue the Letters Patent or similar legal protection to the Assignee.

I authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. I further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries, and appoint Assignee the common representative in the above identified international application and any international application for the invention.

I represent to the Assignee, its successors, and assigns, that I have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries, including without limitation providing testimony in any related interference, litigation, or proceeding.

Attorney Docket No.: S31-06662
Stanford Docket No.: S20-050

The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment specifically referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.



David Ouyang

5/5/2021

Date

Bryan He

Date

James Zou

Date

Euan A. Ashley

Date

SIGNED FOR AND ON BEHALF OF THE ASSIGNEE,
The Board of Trustees of The Leland Stanford Junior University

December 13, 2022
Date



Signature

Justin Zahrt
Name

Assistant Director, Intellectual Property
Position

COMBINED ASSIGNMENT AND DECLARATION

Attorney Docket No.: S31-06662
Stanford Docket No.: S20-050

WHEREAS, **David Ouyang** of Los Angeles, CA, **Bryan He** of Stanford, CA, **James Zou** of Stanford, CA, and **Euan A. Ashley** of Stanford, CA is/are the inventor(s) of an invention entitled "Methods and Systems Using Video-Based Machine Learning for Beat-To-Beat Assessment of Cardiac Function" that is the subject matter of: (check all that apply)

- a provisional application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. ###/###,### filed on Month Day, Year;
- an application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. **17/218,052** filed on **March 30, 2021** and/or executed on even date herewith; and
- an international application for Letters Patent filed pursuant to the Patent Cooperation Treaty which is identifiable in the United States Patent and Trademark Office by Application No. ###/###,### filed on Month Day, Year and/or executed on even date herewith;

WHEREAS, The Board of Trustees of the Leland Stanford Junior University, a trust with corporate powers under the laws of the State of California and the United States of America, and having offices at Building 170, Third Floor, Main Quad, P.O. Box 20386, Stanford, CA 94305-2038 USA, ("Assignee") is desirous of acquiring the entire right, title, and interest in and to the invention, the applications, and any and all Letters Patent or similar foreign or domestic legal protection;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I transfer to Assignee, its successors and assigns, my entire right, title, and interest in and to the invention, the above-identified applications, the right to claim priority, all provisional applications from which any of the above-identified applications claim priority, corresponding domestic and foreign applications, any continuation, division, renewal, or substitute for the applications, all Letters Patent, any reissue, re-examination, or similar legal protection issuing related to the Letters Patent, and all rights and benefits under any applicable treaty or convention; and I authorize the Director of the United States Patent and Trademark Office or foreign equivalent to issue the Letters Patent or similar legal protection to the Assignee.

I authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. I further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries, and appoint Assignee the common representative in the above identified international application and any international application for the invention.

I represent to the Assignee, its successors, and assigns, that I have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries, including without limitation providing testimony in any related interference, litigation, or proceeding.

The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment specifically referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

David Ouyang

Date

Bryan He

Bryan He

2021/07/11

Date

James Zou

Date

Euan A. Ashley

Date

SIGNED FOR AND ON BEHALF OF THE ASSIGNEE,
The Board of Trustees of The Leland Stanford Junior University

December 13, 2022
Date



Signature

Justin Zahrt
Name

Assistant Director, Intellectual Property
Position

COMBINED ASSIGNMENT AND DECLARATION

Attorney Docket No.: S31-06662
Stanford Docket No.: S20-050

WHEREAS, **David Ouyang** of Los Angeles, CA, **Bryan He** of Stanford, CA, **James Zou** of Stanford, CA, and **Euan A. Ashley** of Stanford, CA is/are the inventor(s) of an invention entitled "Methods and Systems Using Video-Based Machine Learning for Beat-To-Beat Assessment of Cardiac Function" that is the subject matter of: (check all that apply)

- a provisional application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. ###/###,### filed on Month Day, Year;
- an application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. **17/218,052** filed on **March 30, 2021** and/or executed on even date herewith; and
- an international application for Letters Patent filed pursuant to the Patent Cooperation Treaty which is identifiable in the United States Patent and Trademark Office by Application No. ###/###,### filed on Month Day, Year and/or executed on even date herewith;

WHEREAS, The Board of Trustees of the Leland Stanford Junior University, a trust with corporate powers under the laws of the State of California and the United States of America, and having offices at Building 170, Third Floor, Main Quad, P.O. Box 20386, Stanford, CA 94305-2038 USA, ("Assignee") is desirous of acquiring the entire right, title, and interest in and to the invention, the applications, and any and all Letters Patent or similar foreign or domestic legal protection;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I transfer to Assignee, its successors and assigns, my entire right, title, and interest in and to the invention, the above-identified applications, the right to claim priority, all provisional applications from which any of the above-identified applications claim priority, corresponding domestic and foreign applications, any continuation, division, renewal, or substitute for the applications, all Letters Patent, any reissue, re-examination, or similar legal protection issuing related to the Letters Patent, and all rights and benefits under any applicable treaty or convention; and I authorize the Director of the United States Patent and Trademark Office or foreign equivalent to issue the Letters Patent or similar legal protection to the Assignee.

I authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. I further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries, and appoint Assignee the common representative in the above identified international application and any international application for the invention.

I represent to the Assignee, its successors, and assigns, that I have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries, including without limitation providing testimony in any related interference, litigation, or proceeding.

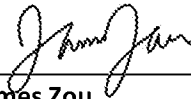
The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment specifically referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

David Ouyang

Date

Bryan He

Date



James Zou

11/17/2022

Date

Euan A. Ashley

Date

SIGNED FOR AND ON BEHALF OF THE ASSIGNEE,
The Board of Trustees of The Leland Stanford Junior University

December 13, 2022
Date



Signature

Justin Zahrt
Name

Assistant Director, Intellectual Property
Position

COMBINED ASSIGNMENT AND DECLARATION

Attorney Docket No.: S31-06662
Stanford Docket No.: S20-050

WHEREAS, **David Ouyang** of Los Angeles, CA, **Bryan He** of Stanford, CA, **James Zou** of Stanford, CA, and **Euan A. Ashley** of Stanford, CA is/are the inventor(s) of an invention entitled "Methods and Systems Using Video-Based Machine Learning for Beat-To-Beat Assessment of Cardiac Function" that is the subject matter of: (check all that apply)

- a provisional application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. ###/###,### filed on Month Day, Year;
- an application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. **17/218,052** filed on **March 30, 2021** and/or executed on even date herewith; and
- an international application for Letters Patent filed pursuant to the Patent Cooperation Treaty which is identifiable in the United States Patent and Trademark Office by Application No. ###/###,### filed on Month Day, Year and/or executed on even date herewith;

WHEREAS, The Board of Trustees of the Leland Stanford Junior University, a trust with corporate powers under the laws of the State of California and the United States of America, and having offices at Building 170, Third Floor, Main Quad, P.O. Box 20386, Stanford, CA 94305-2038 USA, ("Assignee") is desirous of acquiring the entire right, title, and interest in and to the invention, the applications, and any and all Letters Patent or similar foreign or domestic legal protection;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I transfer to Assignee, its successors and assigns, my entire right, title, and interest in and to the invention, the above-identified applications, the right to claim priority, all provisional applications from which any of the above-identified applications claim priority, corresponding domestic and foreign applications, any continuation, division, renewal, or substitute for the applications, all Letters Patent, any reissue, re-examination, or similar legal protection issuing related to the Letters Patent, and all rights and benefits under any applicable treaty or convention; and I authorize the Director of the United States Patent and Trademark Office or foreign equivalent to issue the Letters Patent or similar legal protection to the Assignee.

I authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. I further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries, and appoint Assignee the common representative in the above identified international application and any international application for the invention.

I represent to the Assignee, its successors, and assigns, that I have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries, including without limitation providing testimony in any related interference, litigation, or proceeding.

The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment specifically referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

David Ouyang

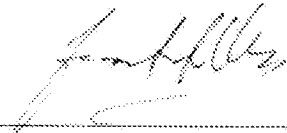
Date

Bryan He

Date

James Zou

Date



Euan A. Ashley

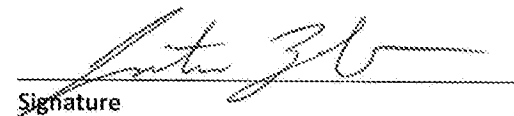
11/18/2022

Date

SIGNED FOR AND ON BEHALF OF THE ASSIGNEE,
The Board of Trustees of The Leland Stanford Junior University

December 13, 2022

Date



Signature

Justin Zahrt

Name

Assistant Director, Intellectual Property

Position