507153300 03/01/2022

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Alan Yuille	01/26/2022
Elliott Fishman	01/26/2022
Zhuotun Zhu	01/26/2022
Yingda Xia	01/26/2022
Lingxi Xie	02/17/2022

RECEIVING PARTY DATA

Name:	THE JOHNS HOPKINS UNIVERSITY
Street Address:	3400 NORTH CHARLES STREET
City:	BALTIMORE
State/Country:	MARYLAND
Postal Code:	21218

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	16924954
Application Number:	62872113

CORRESPONDENCE DATA

Fax Number: (877)769-7945

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.

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deal@fr.com, apsi@fr.com Email:

PATRICK DARNO **Correspondent Name:**

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ATTORNEY DOCKET NUMBER:	44807-0325001
NAME OF SUBMITTER:	MICHELLE L DEAL
SIGNATURE:	/Michelle L Deal/
DATE SIGNED:	03/01/2022

PATENT REEL: 059131 FRAME: 0961 507153300

Total Attachments: 3

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PATENT REEL: 059131 FRAME: 0962

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, <u>ALAN YUILLE</u>, <u>ELLIOT FISHMAN</u>, <u>ZHUOTUN ZHU</u>, <u>YINGDA XIA</u>, and <u>LINGXI XIE</u>, each individually assign to <u>THE JOHNS HOPKINS UNIVERSITY</u>, a corporation formed under the laws of <u>Maryland</u> and having a principal place of business at <u>3400 North Charles Street</u>, <u>Baltimore</u>, <u>MD 21218</u>, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the invention(s) (the "Subject Matter") described in a patent application that names us as inventors, is titled "<u>SYSTEM AND METHOD FOR MULTI-SCALE COARSE-TO-FINE SEGMENTATION OF IMAGES TO DETECT PANCREATIC DUCTAL ADENOCARCINOMA," and was filed in the United States Patent and Trademark Office on <u>July 9, 2019</u>, as application <u>62/872,113</u>, and on <u>July 9, 2020</u>, as application <u>16/924,954</u> (the "Applications").</u>

This Assignment assigns, in addition to the Subject Matter, (a) the Applications and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region and under every treaty or convention, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

Assignment Page 1 of 3

We will communicate to the Assignee (or, at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter; will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents; and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

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Alan Yville	January 26, 2022 6:23 PM EST Date:
Alan Yuille	
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Alan Yuille	
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Elliot k. Fishman	January 26, 2022 8:31 PM EST
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Attorney Docket No.: 44807-0325P01 / 44807-0325001 / C15669_P15669-02

The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: .	JOHNS	HOPKINS	UNIVER	SITY
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Signature:	Steven kousouris		Date:	February	17,	2022	I	8:20	ΑМ	PST
Name: /	B7399943CD6A40E Steven	Kousouris						/		

Title: Executive Director, Johns Hopkins Technology Ventures, The Johns Hopkins University

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