

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

Assignment ID: PATI76082

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
SEQUENCE:	3
CONVEYING PARTY DATA	
Name	Execution Date
SHEJIN THAVALENGAL	04/12/2017
RECEIVING PARTY DATA	
Company Name:	FOTONATION LIMITED
Street Address:	EAST BUSINESS PARK BALLYBRIT
Internal Address:	CLIONA BUILDING ONE PARKMORE
City:	GALWAY
State/Country:	IRELAND
Company Name:	NATIONAL UNIVERSITY OF IRELAND, GALWAY
Street Address:	UNIVERSITY ROAD
City:	GALWAY
State/Country:	IRELAND
PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	10810423
CORRESPONDENCE DATA	
Fax Number:	9498520004
<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:	3780 Kilroy Airport Way
Address Line 2:	Suite 320
Address Line 4:	Long Beach, CALIFORNIA 90806
ATTORNEY DOCKET NUMBER:	P16-08422.CON 3
NAME OF SUBMITTER:	Katrina Lee
SIGNATURE:	Katrina Lee
DATE SIGNED:	03/06/2024

**Total Attachments: 4**

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RECORDATION FORM COVER SHEET

PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

SHEJIN THAVALENGAL

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) April 12, 2017

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other

2. Name and address of receiving party(ies)

Name: FOTONATION LIMITED

Internal Address: EAST BUSINESS PARK BALLYBRIT

Street Address: CLIONA BUILDING ONE PARKMORE

City: GALWAY

State:

Country: IRELAND

Zip:

Additional name(s) & address(es) attached? ☒ Yes ☐ No

4. Application or patent number(s):

☐ This document serves as an Oath/Declaration (37 CFR 1.63).

A. Patent Application No.(s)

B. Patent No.(s)

10,810,423

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: KPPB LLP

Internal Address: Suite 320

Street Address: 3780 Kilroy Airport Way

City: Long Beach

State: CA Zip: 90806

Phone Number: 949.852.0000

Docket Number: P16-08422.CON 3

Email Address: pair@kppb.com

6. Total number of applications and patents involved: <sup>1</sup>

7. Total fee (37 CFR 1.21(h) & 3.41) \$

- ☐ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

8. Payment Information

Deposit Account Number

Authorized UserName

9. Signature: /Isaac M. Fine/

March 6, 2024

Signature

Date

Isaac M. Fine

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

4

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

2. Additional name(s) & address(s) of receiving party(ies)

Name: NATIONAL UNIVERSITY OF IRELAND, GALWAY  
Internal Address:  
Street Address: UNIVERSITY ROAD  
City: GALWAY  
State:  
Country: IRELAND  
Zip:

**JOINT ASSIGNMENT**

WHEREAS **Shejin Thavalengal** of Galway, Ireland made certain inventions or discoveries (or both) set forth in an Application for Letters Patent of the United States of America entitled:

**Iris liveness detection for mobile devices**

<input type="checkbox"/>	filed herewith			
<input checked="" type="checkbox"/>	filed as U.S. Serial No.	15/340,926	on	November 1, 2016
<input type="checkbox"/>	as PCT Serial No.		on	
<input type="checkbox"/>	issued as U.S. Patent No.		on	

WHEREAS, **FotoNation Limited**, having a place of business at Cliona, Building One, Parkmore East Business Park, Ballybrit, Galway, Republic of Ireland, and **National University of Ireland, Galway**, with offices at University Road, Galway, Republic of Ireland who, together with its successors and assigns are hereinafter called "Joint Assignees," are desirous of acquiring the entire right, title and interest together with the benefits and privileges hereinafter recited;

NOW, THEREFORE, for valuable consideration furnished by Joint Assignees to me, receipt and sufficiency of which I hereby acknowledge, effective as of the date this document is executed, I hereby, without reservation;

1. Assign, transfer and convey to Joint Assignees the entire right, title and interest together with the benefits and privileges in and to said inventions and discoveries, said Application for Letters Patent or similar forms of protection of the United States of America, and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and convention applications based in whole or in part upon said inventions or discoveries, or upon said application, and any and all Letters Patent, reissues and extensions of Letters Patent or similar forms of protection granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize Joint Assignees to file patent applications in any or all countries or groups of countries on any or all of said inventions and discoveries in our name or in the name of Joint Assignees or otherwise as Joint Assignees may deem advisable, under the International Convention or any other relevant convention or treaty or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Joint Assignees, as assignees of the entire right, title and interest therein, or otherwise as Joint Assignees may direct;

4. Warrant that we have not knowingly conveyed to others any rights in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Joint Assignees without encumbrance;

5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Joint Assignees' request and at Joint Assignees' expense, but without additional consideration to us or them, all acts reasonable serving to assure that said inventions and discoveries, said patent applications and said Letters Patent shall be held and enjoyed by Joint Assignees as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Joint Assignees all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Joint Assignees; to communicate to Joint Assignees all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Joint

Assignees with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing any facts of our conceptions, disclosures, and reduction to practice of said inventions or discoveries.

6. Assignors hereby authorize the Assistant Commissioner for Patent to record this Agreement.

IN WITNESS WHEREOF

Date: 12-Apr-2017

Shejin.T  
Shejin Thavalengal