PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 Assignment ID: PATI74254

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the RECEIVING PARTY from BLUINK INC. to BLUINK LTD. previously recorded on Reel 65181 Frame 165. Assignor(s) hereby confirms the Assignment.
RESUBMIT DOCUMENT ID:	508343901

CONVEYING PARTY DATA

Name	Execution Date
LAURENCE HAMID	10/11/2023
STEPHEN BORZA	10/11/2023

RECEIVING PARTY DATA

Company Name:	BLUINK LTD.
Street Address:	1 - 137 SECOND AVENUE
City:	OTTAWA
State/Country:	CANADA
Postal Code:	K1S 2H4

PROPERTY NUMBERS Total: 4

Property Type	Number
Application Number:	62683096
Application Number:	16437220
Application Number:	17372748
Application Number:	18168232

CORRESPONDENCE DATA

Fax Number: 6132388775

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.

Phone: 6135662858

Email: AODONNELL@PERLAW.CA

Correspondent Name: ADRIAN O'DONNELL

Address Line 1: 1400 - 340 ALBERT STREET Address Line 4: OTTAWA, CANADA K1R 7Y6

NAME OF SUBMITTER:	Adrian O'Donnell
SIGNATURE:	Adrian O'Donnell
DATE SIGNED:	03/06/2024

Total Attachments: 4

PATENT REEL: 066722 FRAME: 0808

508422517

source=Assignment-Pat-065181-0165#page1.tif source=Assignment-Pat-065181-0165#page2.tif source=Assignment-Pat-065181-0165#page3.tif source=Assignment-Pat-065181-0165#page4.tif

> PATENT REEL: 066722 FRAME: 0809

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT8214639

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LAURENCE HAMID	10/11/2023
STEPHEN BORZA	10/11/2023

RECEIVING PARTY DATA

Name:	BLUINK INC.
Street Address:	1 - 137 SECOND AVENUE
City:	OTTAWA
State/Country:	CANADA
Postal Code:	K2S 2H4

PROPERTY NUMBERS Total: 4

Property Type	Number
Application Number:	62683096
Application Number:	16437220
Application Number:	17372748
Application Number:	18168232

CORRESPONDENCE DATA

Fax Number:

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.

Phone: 6135662858

Email: AODONNELL@PERLAW.CA

Correspondent Name: ADRIAN O'DONNELL

Address Line 1: 1400 - 340 ALBERT STREET

Address Line 2: PERLEY-ROBERTSON, HILL & MCDOUGALL LLP

Address Line 4: OTTAWA, CANADA K1R 7Y6

NAME OF SUBMITTER: ADRIAN C O'DONNELL SIGNATURE: /ADRIAN O'DONNELL/	A-0001GEN	ATTORNEY DOCKET NUMBER:
SIGNATURE: /ADRIAN O'DONNELL/	AN C O'DONNELL	NAME OF SUBMITTER:
	AN O'DONNELL/	SIGNATURE:
DATE SIGNED: 10/11/2023	/2023	DATE SIGNED:

Total Attachments: 2

PATENT REEL: 066722 FRAME: 0810

508167458

source=BRZA-Assignment-Liveness-Detection-Executed#page1.tif source=BRZA-Assignment-Liveness-Detection-Executed#page2.tif

PATENT REEL: 066722 FRAME: 0811

ASSIGNMENT OF INVENTION UNIVERSAL

WHEREAS, I/We

LAURENCE HAMID, whose full post office address is:

561 Brookridge Crescent, Ottawa, Ontario, K4A 1Z3, Canada;

STEPHEN BORZA, whose full post office address is:

51 Patterson Avenue, Ottawa, Ontario, K1S 1X9, Canada;

have invented certain improvements which have been described within documents including, but not limited to, that listed below:

"Liveness Detection" filed June 11, 2018 under U.S. Provisional Patent Application No. 62/683,096;

"Liveness Detection" filed June 11, 2019 under U.S. Patent Application No. 16/437,220;

"Liveness Detection" filed July 12, 2021 under U.S. Patent Application No. 17/372,748;

"Liveness Detection" filed February 13, 2023 under U.S. Patent Application No. 18/168,232;

"Liveness Detection" filed June 11, 2019 under Canadian Patent Application No. 3,045,819;

"Liveness Detection" filed July 21, 2021 under Canadian Patent Application No. 3,125,586;

WHEREAS, Blulnk Inc., hereinafter referred to as the assignee, whose full post office address is Suite 1, 137 Second Avenue, Ottawa, K1S 2H4, Canada is desirous of acquiring the entire right, title and interest in and to said invention or inventions and in and to any and all patents to be obtained therefor:

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other valuable consideration, the receipt of which is hereby acknowledged, we have and by these presents do hereby sell, assign and transfer unto said assignee, its successors and assigns, the entire right, title and interest in and to said invention or inventions, as described in the aforesaid application / disclosure, in any form or embodiment thereof, and in and to the aforesaid application, and in and to any applications filed in any foreign country based thereon, including the right to file said foreign applications under the provisions of the International Convention; also the entire right, title and interest in and to any and all patents, reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions, and any divisional, continuation, substitute application(s) or supplementary disclosure(s) which may be filed upon said invention or inventions, in any country; and we hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said assignee.

WE FURTHER AGREE without any payment by said assignee other than expenses incurred by the undersigned, to communicate to said assignee, its representatives or agents, any facts relating to said invention or inventions, including evidence for interference purposes or for other proceedings, whenever requested; testify in any interference or other proceedings, whenever requested; and execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective, and likewise make these provisions binding upon our heirs, legal representatives, administrators and assigns.

BRZA-Assignment-Liveness-Detection

Page 1 of 2

ASSIGNOR

October 11, 2023 Date **ASSIGNOR**

October 11, 2023 Date

LAURENCE HAMID

STEPHEN BORZA

RECORDED: 00/19/2028

REEL: 066722 FRAME: 0813