

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TRANSPACIFIC INFRARED, LLC	12/22/2022
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<b>PROPERTY NUMBERS Total: 3</b>	
<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	6701593
<b>Patent Number:</b>	6592210
<b>Patent Number:</b>	6857186
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<b>SIGNATURE:</b>	/JOANN REYNOLDS/
<b>DATE SIGNED:</b>	02/12/2023
<b>Total Attachments: 4</b>	
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**ASSIGNMENT OF PATENT RIGHTS**

For good and valuable consideration, the receipt of which is hereby acknowledged, Transpacific Infrared, LLC, a Delaware limited liability company having an address at 251 Little Falls Drive, Wilmington, Delaware 19808 (“*Assignor*”), does hereby sell, assign, transfer, and convey unto Intellectual Ventures Assets 191 LLC, a Delaware limited liability company having an address at 251 Little Falls Drive, Wilmington, Delaware 19808 (“*Assignee*”), or its designees, all of its right, title, and interest that exist today and may exist in the future in and to any and all of the following (collectively, the “*Patent Rights*”):

(a) the provisional patent applications, patent applications and patents listed in the table below (the “*Patents*”);

**Active Patent(s) – (Filed; Granted)**

<b><u>Patent/Application Number</u></b>	<b><u>Country</u></b>	<b><u>Issue Date/ Filing Date</u></b>	<b><u>Title of Patent and First Named Inventor</u></b>
None			

(b) all patents and patent applications (i) to which any of the Patents directly or indirectly claims priority, and/or (ii) for which any of the Patents directly or indirectly forms a basis for priority;

(c) all reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, requests for continuing examinations, divisions, registrations of any item in any of the foregoing categories (a) and (b);

(d) all foreign patents, patent applications, and counterparts relating to any item in any of the foregoing categories (a) through (c), including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances;

(e) all items in any of the foregoing in categories (b) through (d), whether or not expressly listed as Patents above and whether or not claims in any of the foregoing have been rejected, withdrawn, cancelled, or the like;

(f) inventions, invention disclosures, and discoveries described in any of the Patents and/or any item in the foregoing categories (b) through (e) that (i) are included in any claim in the Patents and/or any item in the foregoing categories (b) through (e), (ii) are subject matter capable of being reduced to a patent claim in a reissue or reexamination proceeding brought on any of the Patents and/or any item in the foregoing categories (b) through (e), and/or (iii) could have been included as a claim in any of the Patents and/or any item in the foregoing categories (b) through (e);

(g) all rights to apply in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections, or other governmental grants or issuances of any type related to any item in any of the foregoing

categories (a) through (f), including, without limitation, under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement, or understanding;

(h) all causes of action (whether known or unknown or whether currently pending, filed, or otherwise) and other enforcement rights under, or on account of, any of the Patents and/or any item in any of the foregoing categories (b) through (g), including, without limitation, all causes of action and other enforcement rights for

- (1) damages,
- (2) injunctive relief, and
- (3) any other remedies of any kind

for past, current, and future infringement;

(i) all rights to collect royalties and other payments under or on account of any of the Patents and/or any item in any of the foregoing categories (b) through (h); and

(j) all rights to the assets listed in the table below, as well as all rights to the inventions, invention disclosures, and discoveries in the assets listed in the table below, together, with the rights, if any, to revive prosecution of claims under such assets and to sue or otherwise enforce any claims under such assets for past, present or future infringement:

**Inactive Patent(s) – (Abandoned; Lapsed; Expired)**

<b><u>Patent/Application Number</u></b>	<b><u>Country</u></b>	<b><u>Issue Date/ Filing Date</u></b>	<b><u>Title of Patent and First Named Inventor</u></b>
TWI165743 (TW090122077)	TW	10/21/2002 (9/6/2001)	PIEZOELECTRIC INJET PRINthead AND MANUFACTURING METHOD THEREOF  YANG MING-SHIUN; CHEN GUEI-CHIUAN; LIN JEN- HUA; LIU WEN-CHUNG; SHIU JR
6592210 (10/064716)	US	7/15/2003 (8/9/2002)	PIEZOELECTRIC PRINT- HEAD AND METHOD OF MANUFACTURE  YANG MING-SHIUN; CHEN GUEI-CHIUAN; LIN JEN- HUA; LIU WEN-CHUNG; SHIU JR-JIE
6857186 (10/249939)	US	2/22/2005 (5/21/2003)	METHOD OF MANUFACTURING A

<u>Patent/Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
			PIEZOELECTRIC PRINT-HEAD  YANG MING-SHIUN; CHEN GUEI-CHIUAN; LIN JEN-HUA; LIU WEN-CHUNG; SHIU JR-JIE
6701593 (10/035055)	US	3/9/2004 (12/27/2001)	PROCESS FOR PRODUCING INKJET PRINthead  LIN JEN-HUA; JOU JING-YU; YANG MING-SHIUN; YANG CHANG-MOU
TWI231272 (TW090100340)	TW	4/21/2005 (1/8/2001)	METHOD FOR MANUFACTURING PIEZOELECTRIC INJET PRINthead  LIN JEN-HUA; JOU JING-YU; YANG MING-SHIUN; YANG CHANG-MOU
TWI164058 (TW090100341)	TW	9/21/2002 (1/8/2001)	METHOD FOR MANUFACTURING SIDE INLET OF PIEZOELECTRIC INJET PRINthead  JOU JING-YU; LIN JEN-HUA; YANG MING-SHIUN; YANG CHANG-MOU
TWI231273 (TW090100342)	TW	4/21/2005 (1/8/2001)	METHOD FOR MANUFACTURING PIEZOELECTRIC INJET PRINthead  JOU JING-YU; YANG MING-SHIUN; YANG CHANG-MOU; LIN JEN-HUA
TWI158580 (TW090100343)	TW	7/1/2002 (1/8/2001)	CARTRIDGE UNIT HAVING PIEZOELECTRIC INJET MODULE

<u>Patent/Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
			LIN JEN-HUA; JOU JING-YU; YANG MING-SHIUN; YANG CHANG-MOU

Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.

Assignor will, at the reasonable request of Assignee, do all things necessary, proper, or advisable, including without limitation, the execution, acknowledgment, and recordation of specific assignments, oaths, declarations, and other documents on a country-by-country basis, to assist Assignee in obtaining, perfecting, sustaining, and/or enforcing the Patent Rights.

The terms and conditions of this Assignment of Patent Rights will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon Assignor, its successors, assigns, and other legal representatives.

IN WITNESS WHEREOF this Assignment of Patent Rights is executed at  
Bellevue, WA on December 22, 2022.

**ASSIGNOR:**

**Transpacific Infrared, LLC**

By: *M Macartney*

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Title: Authorized Person

**ASSIGNEE:**

**Intellectual Ventures Assets 191 LLC**

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