

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
CALLAHAN CELLULAR L.L.C.		10/14/2021
RECEIVING PARTY DATA		
Name:	INTELLECTUAL VENTURES II LLC	
Street Address:	251 LITTLE FALLS DRIVE	
City:	WILMINGTON	
State/Country:	DELAWARE	
Postal Code:	19808	
PROPERTY NUMBERS Total: 26		
Property Type	Number	
Patent Number:	7199348	
Patent Number:	7772532	
Patent Number:	8124929	
Patent Number:	7564019	
Patent Number:	7916180	
Patent Number:	7964835	
Patent Number:	7795577	
Patent Number:	7714262	
Patent Number:	7566855	
Patent Number:	7884309	
Patent Number:	8198574	
Patent Number:	8415605	
Patent Number:	8304709	
Patent Number:	8436286	
Patent Number:	8334494	
Patent Number:	8629390	
Patent Number:	8598504	
Patent Number:	8664579	
Patent Number:	9232158	
Patent Number:	9294745	

PATENT

506922344

REEL: 057795 FRAME: 0618

Property Type	Number
Patent Number:	9313393
Patent Number:	10009556
Patent Number:	10148927
Patent Number:	10142548
Patent Number:	10694162
Application Number:	16908342

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SIGNATURE:	/Janice L. Goebel/
DATE SIGNED:	10/14/2021

Total Attachments: 7

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PATENT
REEL: 057795 FRAME: 0619

ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt of which is hereby acknowledged, Callahan Cellular L.L.C., a Delaware limited liability company having offices at 251 Little Falls Drive, Wilmington, DE 19808 (“**Assignor**”), does hereby sell, assign, transfer, and convey unto Intellectual Ventures II LLC, a Delaware limited liability company, having an address at 251 Little Falls Drive, Wilmington, DE 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)

<u>Patent/Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
CNZL200580032374.0 (CN200580032374.0)	CN	2012-12-12 (2005-08-25)	Apparatus for multiple camera devices and method of operating same Olsen, Richard Ian
DE602005055298.7 (DE602005055298.7)	DE	2019-01-16 (2005-08-25)	Apparatus for multiple camera devices and method of operating same Olsen, Richard Ian
FR1812968 (FR05793927.4)	FR	2019-01-16 (2005-08-25)	Apparatus for multiple camera devices and method of operating same SATO, Darryl L.
GB1812968 (GB05793927.4)	GB	2019-01-16 (2005-08-25)	Apparatus for multiple camera devices and method of operating same RICHARD IAN OLSEN
7199348 (11/265669)	US	2007-04-03 (2005-11-02)	Apparatus for multiple camera devices and method of operating same Olsen, Richard Ian
7772532 (11/478242)	US	2010-08-10 (2006-06-29)	CAMERA AND METHOD HAVING OPTICS AND PHOTO DETECTORS WHICH ARE ADJUSTABLE WITH RESPECT TO EACH OTHER Olsen, Richard Ian
8124929 (11/729132)	US	2012-02-28 (2007-03-27)	Imager module optical focus and assembly method Olsen, Richard Ian

<u>Patent/Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
7564019 (11/788122)	US	2009-07-21 (2007-04-19)	Large dynamic range cameras Olsen, Richard Ian
7916180 (11/788279)	US	2011-03-29 (2007-04-19)	Simultaneous multiple field of view digital cameras Olsen, Richard Ian
7964835 (11/810623)	US	2011-06-21 (2007-06-06)	Digital cameras with direct luminance and chrominance detection Richard Ian Olsen
7795577 (11/825382)	US	2010-09-14 (2007-07-05)	Lens frame and optical focus assembly for imager module Olsen, Richard Ian
7714262 (11/888546)	US	2010-05-11 (2007-08-01)	Digital camera with integrated ultraviolet (UV) response Richard Ian Olsen
7566855 (11/888570)	US	2009-07-28 (2007-08-01)	Digital camera with integrated infrared (IR) response Richard Ian Olsen
7884309 (11/888582)	US	2011-02-08 (2007-08-01)	Digital camera with multiple pipeline signal processors Richard Ian Olsen
8198574 (12/496854)	US	2012-06-12 (2009-07-02)	Large dynamic range cameras Darryl L. Sato
8415605 (13/006351)	US	2013-04-09 (2011-01-13)	Digital camera with multiple pipeline signal processors Richard Ian Olsen
8304709 (13/100725)	US	2012-11-06 (2011-05-04)	Digital cameras with direct luminance and chrominance detection Darryl L. Sato
8436286 (13/345007)	US	2013-05-07 (2012-01-06)	Imager module optical focus and assembly method Richard Ian Olsen
8334494 (13/465229)	US	2012-12-18 (2012-05-07)	Large dynamic range cameras Richard Ian Olsen
8629390 (13/647708)	US	2014-01-14 (2012-10-09)	Digital cameras with direct luminance and chrominance detection

<u>Patent/Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
			Richard Ian Olsen
8598504	US	2013-12-03	Large dynamic range cameras
(13/681603)		(2012-11-20)	Richard Ian Olsen
8664579	US	2014-03-04	Digital camera with multiple pipeline signal processors
(13/786803)		(2013-03-06)	Richard Ian Olsen
9232158	US	2016-01-05	Large dynamic range cameras
(14/063236)		(2013-10-25)	Richard Ian Olsen
9294745	US	2016-03-22	Digital cameras with direct luminance and chrominance detection
(14/149024)		(2014-01-07)	Richard Ian Olsen
9313393	US	2016-04-12	Digital camera with multiple pipeline signal processors
(14/171963)		(2014-02-04)	Richard Ian Olsen
10009556	US	2018-06-26	Large dynamic range cameras
(14/979896)		(2015-12-28)	Richard Ian Olsen
10148927	US	2018-12-04	Digital cameras with direct luminance and chrominance detection
(15/074275)		(2016-03-18)	Richard Ian Olsen
10142548	US	2018-11-27	Digital camera with multiple pipeline signal processors
(15/090856)		(2016-04-05)	Richard Ian Olsen
10694162	US	2020-06-23	Digital cameras with direct luminance and chrominance detection
(16/207099)		(2018-12-01)	Richard Ian Olsen
(16/908342)	US	(2020-06-22)	Digital cameras with direct luminance and chrominance detection
			Richard Ian Olsen

(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)

<u>Patent/Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
(60/604854)	US	(2004-08-25)	Solid state camera Olsen, Richard Ian
(60/695946)	US	(2005-07-01)	Method and apparatus for use in camera and systems employing same Olsen, Richard Ian
(11/212803)	US	(2005-08-25)	Apparatus for multiple camera devices and method of operating same Olsen, Richard Ian
(PCT/US2005/030256)	WO	(2005-08-25)	Apparatus for multiple camera devices and method of operating same Olsen, Richard Ian
EP1812968 (EP05793927.4)	EP	2019-01-16 (2005-08-25)	APPARATUS FOR MULTIPLE CAMERA DEVICES AND METHOD OF OPERATING SAME Olsen, Richard Ian
(11/322959)	US	(2005-12-30)	Apparatus for multiple camera devices and method of operating same Olsen, Richard Ian
(60/786811)	US	(2006-03-27)	Imager module optical focus and assembly method Olsen, Richard Ian
(60/795450)	US	(2006-04-26)	Solid state camera optics frame and assembly Olsen, Richard Ian
(60/795882)	US	(2006-04-28)	Large dynamic range cameras Olsen, Richard Ian
(60/795946)	US	(2006-04-28)	Simultaneous multiple field of view digital cameras Olsen, Richard Ian

<u>Patent/Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
(60/811584)	US	(2006-06-06)	Digital cameras with direct luminance and chrominance detection Olsen, Richard Ian
(PCT/US2006/025781)	WO	(2006-06-29)	Method and apparatus for use in camera and systems employing same Olsen, Richard Ian
(11/788120)	US	(2007-04-19)	Solid state camera optics frame and assembly for multiple imaging channels within the visible spectrum Olsen, Richard Ian

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 Oct 14, 2021.

ASSIGNOR:
Callahan Cellular L.L.C.

By: *Lawrence Froeber*
Lawrence Froeber (Oct 14, 2021 1:15:55 PM)
Name: Lawrence Froeber
Title: Chief Financial Officer

IN WITNESS WHEREOF this Assignment of Patent Rights is executed at Bellevue, WA
on Oct 14, 2021.

ASSIGNEE:
Intellectual Ventures II LLC

By: Lawrence Froeber
Lawrence Froeber (Oct 14, 2021 2:12 PM)

Name: Lawrence Froeber

Title: Chief Financial Officer