

## PATENT ASSIGNMENT COVER SHEET

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Assignment ID: PATI98757

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Intellectual Ventures I LLC	03/15/2024
<b>RECEIVING PARTY DATA</b>	
<b>Company Name:</b>	Intellectual Ventures Assets 197 LLC
<b>Street Address:</b>	251 Little Falls Drive
<b>City:</b>	Wilmington
<b>State/Country:</b>	DELAWARE
<b>Postal Code:</b>	19808
<b>PROPERTY NUMBERS Total: 33</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	11056699
Application Number:	12325589
Application Number:	12874929
Application Number:	13090026
Application Number:	13407139
Application Number:	13776463
Application Number:	14518655
Application Number:	15481595
Application Number:	16105876
Application Number:	17020671
Application Number:	17371595
Application Number:	18297434
Application Number:	11530725
Application Number:	11686147
Application Number:	12322659
Application Number:	10617324
Application Number:	11680612
Application Number:	10273799
Application Number:	11314149
Application Number:	11556916

Property Type	Number
Application Number:	60544570
Application Number:	60715849
Application Number:	60782628
Application Number:	13745373
Application Number:	60496734
Application Number:	10922985
Application Number:	60453612
Application Number:	12172765
Application Number:	60391400
Application Number:	12342201
Application Number:	12758594
Application Number:	60638737
Application Number:	60735248

#### 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.*

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<b>NAME OF SUBMITTER:</b>	Joann Reynolds
<b>SIGNATURE:</b>	Joann Reynolds
<b>DATE SIGNED:</b>	03/15/2024

**Total Attachments: 5**

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## ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt of which is hereby acknowledged, Intellectual Ventures I 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 197 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>
7460737 (11/056699)	US	2008-12-02 (2005-02-10)	METHOD AND APPARATUS FOR PHOTOGRAPH FINDING Gary Stephen Shuster
7844141 (12/325589)	US	2010-11-30 (2008-12-01)	METHOD AND APPARATUS FOR PHOTOGRAPH FINDING Gary Stephen Shuster
7929810 (12/874929)	US	2011-04-19 (2010-09-02)	METHOD AND APPARATUS FOR PHOTOGRAPH FINDING Gary Stephen Shuster
8385691 (13/090026)	US	2013-02-26 (2011-04-19)	METHOD AND APPARATUS FOR PHOTOGRAPH FINDING Gary Stephen Shuster
8315483 (13/407139)	US	2012-11-20 (2012-02-28)	METHOD AND APPARATUS FOR PHOTOGRAPH FINDING Gary Stephen Shuster
8867798 (13/776463)	US	2014-10-21 (2013-02-25)	Method and apparatus for photograph finding Gary Stephen Shuster
9619486 (14/518655)	US	2017-04-11 (2014-10-20)	Method and apparatus for photograph finding Gary Stephen Shuster
10055497 (15/481595)	US	2018-08-21 (2017-04-07)	METHOD AND APPARATUS FOR PHOTOGRAPH FINDING Gary Shuster
10776430 (16/105876)	US	2020-09-15 (2018-08-20)	METHOD AND APPARATUS FOR PHOTOGRAPH FINDING Gary Stephen Shuster
11061971 (17/020671)	US	2021-07-13 (2020-09-14)	METHOD AND APPARATUS FOR PHOTOGRAPH FINDING Gary Stephen Shuster
11625441 (17/371595)	US	2023-04-11 (2021-07-09)	METHOD AND APPARATUS FOR PHOTOGRAPH FINDING Gary Stephen Shuster

<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>
(18/297434)	US	(2023-04-07)	METHOD AND APPARATUS FOR PHOTOGRAPH FINDING Gary Stephen Shuster
8594084 (11/530725)	US	2013-11-26 (2006-09-11)	NETWORK ROUTER SECURITY METHOD Gary Stephen Shuster
8358612 (11/686147)	US	2013-01-22 (2007-03-14)	POWER SAVE IMPROVEMENT DURING A NETWORK ALLOCATION VECTOR PERIOD Menzo Wentink
RE43367 (12/322659)	US	2012-05-08 (2009-02-05)	Power-based hardware diversity Mark A. Webster.
7400621 (10/617324)	US	2008-07-15 (2003-07-10)	Technique for achieving connectivity between telecommunication stations Timothy Gordon Godfrey
7861134 (11/680612)	US	2010-12-28 (2007-02-28)	Methods and systems for LDPC coding Cenk Kose
7468976 (10/273799)	US	2008-12-23 (2002-10-18)	Efficiency improvement for shared communications networks Maarten Menzo Wentink
7949358 (11/314149)	US	2011-05-24 (2005-12-21)	Systems and methods for device discovery Menzo Wentink
8014323 (11/556916)	US	2011-09-06 (2006-11-06)	Systems and Methods for Facilitating Communication Between Communication Devices Menzo Wentink

(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>
(60/544570)	US	(2004-02-12)	METHOD AND APPARATUS FOR PHOTOGRAPH FINDING Gary Stephen Shuster
(EP06803311.7)	EP	(2006-09-11)	NETWORK ROUTER SECURITY METHOD Gary Stephen Shuster
(PCT/US2006/035245)	WO	(2006-09-11)	NETWORK ROUTER MAC-FILTERING Gary Stephen Shuster
(JP2008-530011)	JP	(2006-09-11)	NETWORK ROUTER MAC-FILTERING Gary Stephen Shuster

<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>
(60/715849)	US	(2005-09-09)	NETWORK ROUTER SECURITY METHOD Gary Stephen Shuster
(60/782628)	US	(2006-03-14)	U-APSD and PS-Poll power save improvement Menzo Wentink
(13/745373)	US	(2013-01-18)	POWER SAVE IMPROVEMENT DURING A NETWORK ALLOCATION VECTOR PERIOD Menzo Wentink
(60/496734)	US	(2003-08-21)	Ultra-wideband dynamic frequency selection Mark A. Webster
7174138 (10/922985)	US	2007-02-06 (2004-08-23)	Power-based hardware diversity Mark A. Webster.
(60/453612)	US	(2003-03-11)	Technique for achieving connectivity between communication stations Timothy Gordon Godfrey
(PCT/US2004/007253)	WO	(2004-03-10)	Technique for achieving connectivity between wireless devices Timothy Gordon Godfrey
8036218 (12/172765)	US	2011-10-11 (2008-07-14)	Technique for Achieving Connectivity between Telecommunication Stations Timothy Gordon Godfrey
(PCT/US2008/054241)	WO	(2008-02-19)	Methods and systems for LDPC Coding Cenk Kose
(CN200880012530.0)	CN	(2008-02-19)	METHODS AND SYSTEMS FOR LPDC CODING Cenk Kose
(EP08730110.7)	EP	(2008-02-19)	METHODS AND SYSTEMS FOR LPDC CODING Cenk Kose
(JP2009-551786)	JP	(2008-02-19)	METHODS AND SYSTEMS FOR LPDC CODING Cenk Kose
(KR10-2009-7019792)	KR	(2008-02-19)	METHODS AND SYSTEMS FOR LPDC CODING Cenk Kose
(60/391400)	US	(2002-06-25)	MSDU concatenation for wireless LANS Menzo Wentink
7729348 (12/342201)	US	2010-06-01 (2008-12-23)	EFFICIENCY IMPROVEMENT FOR SHARED COMMUNICATIONS NETWORKS Maarten Menzo Wentink
8036219 (12/758594)	US	2011-10-11 (2010-04-12)	EFFICIENCY IMPROVEMENT FOR SHARED COMMUNICATIONS NETWORKS Maarten Menzo Wentink

<u>Patent/Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
(60/638737)	US	(2004-12-23)	Client discovery mechanism Menzo Wentink
(PCT/US2005/046210)	WO	(2005-12-21)	Systems and methods for device discovery Menzo Wentink
(60/735248)	US	(2005-11-08)	VOIP-Aware PS-Poll Menzo Wentink

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 March 15, 2024.

**ASSIGNOR:**

**Intellectual Ventures I LLC**

By: *M Macartney*

Name: Michelle Macartney

Title: Assistant Company Secretary

**ASSIGNEE:**

**Intellectual Ventures Assets 197 LLC**

By: *M Macartney*

Name: Michelle Macartney

Title: Authorized Person