

<b>PATENT ASSIGNMENT COVER SHEET</b>
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
INTELLECTUAL VENTURES ASSETS 101 LLC	12/14/2018

**RECEIVING PARTY DATA**

<b>Name:</b>	TERRESTRIAL COMMS LLC
<b>Street Address:</b>	17330 PRESTON ROAD STE200D
<b>City:</b>	DALLAS
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	75252

**PROPERTY NUMBERS Total: 20**

Property Type	Number
Patent Number:	6483473
Patent Number:	6501435
Patent Number:	7098850
Patent Number:	6828941
Patent Number:	6853345
Patent Number:	7460078
Patent Number:	7193563
Patent Number:	7411552
Patent Number:	7397438
Patent Number:	RE43683
Patent Number:	6751468
Patent Number:	7253717
Patent Number:	7626488
Patent Number:	6484026
Patent Number:	6389293
Patent Number:	6834192
Patent Number:	6912400
Patent Number:	6625472
Patent Number:	7079865
Patent Number:	7103903

PATENT

**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.*

**Email:** contact@ipval.com**Correspondent Name:** JASON BOURGEOIS**Address Line 1:** 17330 PRESTON ROAD #200**Address Line 4:** DALLAS, TEXAS 75252

<b>NAME OF SUBMITTER:</b>	JASON BOURGEOIS
<b>SIGNATURE:</b>	/Jason Bourgeois/
<b>DATE SIGNED:</b>	10/15/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 11**

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## ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt of which is hereby acknowledged, Intellectual Ventures Assets 101 LLC, a Delaware limited liability company with an address at 251 Little Falls Drive, Wilmington, DE 19808 ("*Assignor*"), does hereby sell, assign, transfer, and convey unto Terrestrial Comms LLC, a Texas limited liability company with an address at 17330 Preston Road, STE 200, Dallas TX 75252 ("*Assignee*"), all of Assignor's right, title, and interest in and to the following (collectively, the "*Assigned Patent Rights*"):

- (a) the patents and patent applications listed in the table below (the "*Patents*");

<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Inventors</u>
6483473 (09/618505)	US	11/19/2002 (7/18/2000)	WIRELESS COMMUNICATION DEVICE AND METHOD  Ian J. Forster; Patrick F. King
6501435 (09/678271)	US	12/31/2002 (10/3/2000)	WIRELESS COMMUNICATION DEVICE AND METHOD  Ian J. Forster; Patrick F. King
DE60131657.6 (DE60131657.6)	DE	11/28/2007 (7/17/2001)	WIRELESS COMMUNICATION DEVICE AND METHOD  KING PATRICK F; FORSTER IAN J
FR1301901 (FR01949745.2)	FR	11/28/2007 (7/17/2001)	WIRELESS COMMUNICATION DEVICE AND METHOD  KING PATRICK F; FORSTER IAN J
GB1301901 (GB01949745.2)	GB	11/28/2007 (7/17/2001)	WIRELESS COMMUNICATION DEVICE AND METHOD  KING PATRICK F; FORSTER IAN J
DE60139732.0 (DE60139732.0)	DE	8/26/2009 (7/17/2001)	WIRELESS COMMUNICATION DEVICE AND METHOD  KING PATRICK F; FORESTER IAN JAMES

<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Inventors</u>
FR1876557 (FR07019560.7)	FR	8/26/2009 (7/17/2001)	WIRELESS COMMUNICATION DEVICE AND METHOD  KING PATRICK F; FORSTER IAN J
GB1876557 (GB07019560.7)	GB	8/26/2009 (7/17/2001)	WIRELESS COMMUNICATION DEVICE AND METHOD  KING PATRICK F; FORSTER IAN J
DE60317185.0 (DE60317185.0)	DE	10/31/2007 (4/24/2003)	WIRELESS COMMUNICATION DEVICE AND METHOD  KING PATRICK F; FORSTER IAN JAMES
FR1500042 (FR03727816.5)	FR	10/31/2007 (4/24/2003)	WIRELESS COMMUNICATION DEVICE AND METHOD  KING PATRICK F; FORSTER IAN JAMES
GB1500042 (GB03727816.5)	GB	10/31/2007 (4/24/2003)	WIRELESS COMMUNICATION DEVICE AND METHOD  KING PATRICK F; FORSTER IAN JAMES
DE60126284.0 (DE60126284.0)	DE	1/24/2007 (7/17/2001)	WIRELESS COMMUNICATION DEVICE AND METHOD  KING PATRICK F; FORSTER IAN JAMES
FR1301962 (FR01949756.9)	FR	1/24/2007 (7/17/2001)	WIRELESS COMMUNICATION DEVICE AND METHOD  KING PATRICK F; FORSTER IAN JAMES

*Exhibit A-1*

<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Inventors</u>
GB1301962 (GB01949756.9)	GB	1/24/2007 (7/17/2001)	WIRELESS COMMUNICATION DEVICE AND METHOD  KING PATRICK F; FORSTER IAN JAMES
DE60140151.4 (DE60140151.4)	DE	10/7/2009 (7/17/2001)	WIRELESS COMMUNICATION DEVICE AND METHOD  KING PATRICK F; FORSTER IAN JAMES
FR1676781 (FR06007370.7)	FR	10/7/2009 (7/17/2001)	WIRELESS COMMUNICATION DEVICE AND METHOD  KING PATRICK F; FORSTER IAN JAMES
GB1676781 (GB06007370.7)	GB	10/7/2009 (7/17/2001)	WIRELESS COMMUNICATION DEVICE AND METHOD  KING PATRICK F; FORSTER IAN JAMES
DE60137551.3 (DE60137551.3)	DE	1/21/2009 (7/17/2001)	Method of attaching wireless communication devices  FORSTER IAN JAMES; KING PATRICK F
FR1675216 (FR06007369.9)	FR	1/21/2009 (7/17/2001)	Method of attaching wireless communication devices  FORSTER IAN JAMES; KING PATRICK F
GB1675216 (GB06007369.9)	GB	1/21/2009 (7/17/2001)	Method of attaching wireless communication devices  FORSTER IAN JAMES; KING PATRICK F
7098850 (10/131575)	US	8/29/2006 (4/24/2002)	GROUNDING ANTENNA FOR A WIRELESS COMMUNICATION DEVICE AND METHOD  Ian J. Forster; Patrick F. King

<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Inventors</u>
6828941 (10/145217)	US	12/7/2004 (5/14/2002)	WIRELESS COMMUNICATION DEVICE AND METHOD  Ian J. Forster; Patrick F King
6853345 (10/306293)	US	2/8/2005 (11/27/2002)	WIRELESS COMMUNICATION DEVICE AND METHOD  Patrick F. King; Ian J. Forster
7460078 (11/053197)	US	12/2/2008 (2/7/2005)	WIRELESS COMMUNICATION DEVICE AND METHOD  Patrick F. King; Ian J. Forster
7193563 (11/104882)	US	3/20/2007 (4/12/2005)	GROUNDING ANTENNA FOR A WIRELESS COMMUNICATION DEVICE AND METHOD  Patrick F. King; Ian J. Forster
7411552 (11/506407)	US	8/12/2008 (8/17/2006)	GROUNDING ANTENNA FOR A WIRELESS COMMUNICATION DEVICE AND METHOD  Patrick F. King; Ian J. Forster
7397438 (11/514747)	US	7/8/2008 (8/31/2006)	WIRELESS COMMUNICATION DEVICE AND METHOD  Patrick F. King; Ian J. Forster
RE43683 (11/584478)	US	9/25/2012 (10/19/2006)	Wireless communication device and method for discs  KING PATRICK F; FORSTER IAN J
6751468 (09/474446)	US	6/15/2004 (12/29/1999)	SYSTEMS AND METHODS FOR PROVIDING PUSH TO TALK FEATURE FOR WIRELESS COMMUNICATION SYSTEMS  Michael L Heubel; Mark D. Austin

<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Inventors</u>
7253717 (09/726136)	US	8/7/2007 (11/29/2000)	METHOD AND SYSTEM FOR COMMUNICATING WITH AND TRACKING RFID TRANSPONDERS  Armstrong John T.; Palmer John P.; Richert John D.
DE60107922.1 (DE60107922.1)	DE	12/22/2004 (10/15/2001)	RFID COMMUNICATION METHOD AND SYSTEM  Armstrong John T.; Palmer John P.; Richert John D.
FR1211630 (FR01308754.9)	FR	12/22/2004 (10/15/2001)	RFID COMMUNICATION METHOD AND SYSTEM  Armstrong John T.; Palmer John P.; Richert John D.
GB1211630 (GB01308754.9)	GB	12/22/2004 (10/15/2001)	RFID COMMUNICATION METHOD AND SYSTEM  Armstrong John T.; Palmer John P.; Richert John D.
DE60139037.7 (DE60139037.7)	DE	6/17/2009 (10/15/2001)	Method and apparatus for RFID communicating  Armstrong John T.; Palmer John P.; Richert John D.
FR1505531 (FR04024167.1)	FR	6/17/2009 (10/15/2001)	Method and apparatus for RFID communicating  Armstrong John T.; Palmer John P.; Richert John D.
GB1505531 (GB04024167.1)	GB	6/17/2009 (10/15/2001)	Method and apparatus for RFID communicating  ARMSTRONG JOHN T.; PALMER JOHN P.; RICHERT JOHN D.
DE60145809.5 (DE60145809.5)	DE	12/14/2011 (10/15/2001)	METHOD AND SYSTEM FOR COMMUNICATING WITH AND TRACKING RFID TRANSPONDERS  ARMSTRONG JOHN T; RICHERT JOHN D; PALMER JOHN P

*Exhibit A-1*

<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Inventors</u>
FR1857960 (FR07075598.8)	FR	12/14/2011 (10/15/2001)	METHOD AND SYSTEM FOR COMMUNICATING WITH AND TRACKING RFID TRANSPONDERS  ARMSTRONG JOHN T; RICHERT JOHN D; PALMER JOHN P
GB1857960 (GB07075598.8)	GB	12/14/2011 (10/15/2001)	METHOD AND SYSTEM FOR COMMUNICATING WITH AND TRACKING RFID TRANSPONDERS  ARMSTRONG JOHN T; RICHERT JOHN D; PALMER JOHN P
7626488 (11/469477)	US	12/1/2009 (8/31/2006)	METHOD AND SYSTEM FOR COMMUNICATING WITH AND TRACKING RFID TRANSPONDERS  Armstrong John T.; Palmer John P.; Richert John D.
6484026 (09/442244)	US	11/19/2002 (11/17/1999)	PROCESS FOR CLEARING A SIM CARD  Frank Hagebarth
6389293 (09/568530)	US	5/14/2002 (5/9/2000)	METHOD AND APPARATUS FOR PROVIDING CALL SCREENING ON CORDLESS TELEPHONE EQUIPMENT USNIG THREE-WAY CALLING  Stephen J. Clore; William Eisenloeffel; Mark C. Jensen; James E. Sieffert; Ronald E. Anglikowski



<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Inventors</u>
6834192 (09/609632)	US	12/21/2004 (7/3/2000)	METHOD, AND ASSOCIATED APPARATUS, FOR EFFECTUATING HANDOVER OF COMMUNICATIONS IN A BLUETOOTH, OR OTHER, RADIO COMMUNICATION SYSTEM  Phong Nguyen; Takako Sanda; Fujio Watanabe
AT333739 (AT01943724.3)	AT	7/19/2006 (6/26/2001)	Method and apparatus for performing handover of communications in a radio communication system  WATANABE FUJIO; NGUYEN PHONG; SANDA TAKAKO
DE60121597.4 (DE60121597.4)	DE	7/19/2006 (6/26/2001)	Method and arrangement for forwarding information in a radio transmission system  NGUYEN PHONG; WATANABE FUJIO; SANDA TAKAKO
ES1305916 (ES01943724.3)	ES	7/19/2006 (6/26/2001)	Method and apparatus for performing handover of communications in a radio communication system  SANDA TAKAKO; WATANABE FUJIO; NGUYEN PHONG
FR1305916 (FR01943724.3)	FR	7/19/2006 (6/26/2001)	Method and apparatus for performing handover of communications in a radio communication system  SANDA TAKAKO; WATANABE FUJIO; NGUYEN PHONG

*Exhibit A-1*

<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Inventors</u>
GB1305916 (GB01943724.3)	GB	7/19/2006 (6/26/2001)	Method and apparatus for performing handover of communications in a radio communication system  SANDA TAKAKO; WATANABE FUJIO; NGUYEN PHONG
IT1305916 (IT502006901458074)	IT	7/19/2006 (6/26/2001)	Method and apparatus for performing handover of communications in a radio communication system  SANDA TAKAKO; WATANABE FUJIO; NGUYEN PHONG
6912400 (09/622593)	US	6/28/2005 (10/23/2000)	PROCEDURE TO TRANSMIT INFORMATION AT TELEPHONE ANSWERING SERVICE  Mats Olof Winroth; Bo Olsson
6625472 (09/312064)	US	9/23/2003 (5/13/1999)	APPARATUS AND METHOD FOR CONNECTING A CELLULAR TELEPHONE TO A UNIVERSAL SERIAL BUS  FARSHID FARAZMANDNIA; GEORGE C. SNEED; MICHAEL O. CHANDLER
7079865 (10/666617)	US	7/18/2006 (9/17/2003)	APPARATUS AND METHOD FOR CONNECTING A CELLULAR TELEPHONE TO A UNIVERSAL SERIAL BUS  FARSHID FARAZMANDNIA; GEORGE C. SNEED; MICHAEL O. CHANDLER

<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Inventors</u>
DE60001288.3 (DE60001288.3)	DE	1/29/2003 (5/8/2000)	INTERACTIVE TELEVISION BROADCAST SYSTEM  Richard Andrew Kydd
FR1052854 (FR00303829.6)	FR	1/29/2003 (5/8/2000)	INTERACTIVE TELEVISION BROADCAST SYSTEM  Richard Andrew Kydd
GB1052854 (GB00303829.6)	GB	1/29/2003 (5/8/2000)	INTERACTIVE TELEVISION BROADCAST SYSTEM  Richard Andrew Kydd
7103903 (09/569152)	US	9/5/2006 (5/11/2000)	INTERACTIVE TELEVISION BROADCAST SYSTEM  Richard Andrew Kydd

(b) any future reissues, reexaminations, extensions, continuations, continuing prosecution applications, requests for continuing examinations, divisions, and registrations of any of the Patents;

(c) rights to apply in any or all countries of the world for future patents, certificates of invention, utility models, industrial design protections, design patent protections, or other future governmental grants or issuances of any type related to the Patents; and

(d) causes of action and enforcement rights of any kind under, or on account of, any of the Patents and/or any of the items described in either of the foregoing categories (b) or (c), including, without limitation, all causes of action, enforcement rights and all other rights to seek and obtain any other remedies of any kind for past, current and future infringement.

Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all future patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Assigned Patent Rights in the name of Assignee, as the assignee to the entire interest therein. This Assignment of Patent Rights will inure for the benefit of any permitted successors or assigns of Assignee.

Assignor will, at the reasonable request of Assignee, take all reasonable steps necessary and proper, to confirm the assignment to Assignee of the Assigned Patent Rights pursuant to this Assignment of Patent Rights, 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 and perfecting the Assigned Patent Rights.

IN WITNESS WHEREOF this Assignment of Patent Rights is executed on <sup>Exhibit A-1</sup> 12/11/18  
2018, to be effective as of December 14, 2018

*[Signature Page Follows]*

ASSIGNOR:

Intellectual Ventures Assets 101 LLC

By: [Signature]  
Name: JIM WEISFELD  
Title: AUTHORIZED PERSON

STATE OF Washington )  
 )ss.  
COUNTY OF King )

On Dec. 11, 2018, before me, Janice L. Goebel, Notary Public in and for said State, personally appeared Jim Weisfeld, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

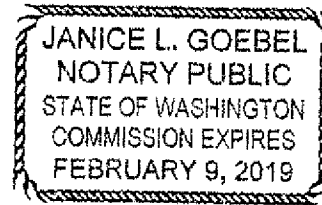
WITNESS my hand and official seal.

Signature Janice L. Goebel

(Seal)

Notary Public, State of Washington

My Commission expires: Feb 09, 2019



ASSIGNEE

Terrestrial Comms LLC

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

STATE OF \_\_\_\_\_ )  
 )ss.  
COUNTY OF \_\_\_\_\_ )

On \_\_\_\_\_, before me, \_\_\_\_\_, Notary Public in and for said State, personally appeared \_\_\_\_\_, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.