

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>IPWireless, Inc.</td> <td>04/27/2012</td> </tr> </tbody> </table>		Name	Execution Date	IPWireless, Inc.	04/27/2012								
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IPWireless, Inc.	04/27/2012												
RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>Intellectual Ventures Holding 81 LLC</td> </tr> <tr> <td>Street Address:</td> <td>7251 W. Lake Mead Blvd.</td> </tr> <tr> <td>Internal Address:</td> <td>Suite 300</td> </tr> <tr> <td>City:</td> <td>Las Vegas</td> </tr> <tr> <td>State/Country:</td> <td>NEVADA</td> </tr> <tr> <td>Postal Code:</td> <td>89128</td> </tr> </table>		Name:	Intellectual Ventures Holding 81 LLC	Street Address:	7251 W. Lake Mead Blvd.	Internal Address:	Suite 300	City:	Las Vegas	State/Country:	NEVADA	Postal Code:	89128
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PROPERTY NUMBERS Total: 3													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13883687</td> </tr> <tr> <td>Application Number:</td> <td>13883816</td> </tr> <tr> <td>Application Number:</td> <td>13883445</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13883687	Application Number:	13883816	Application Number:	13883445				
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Application Number:	13883687												
Application Number:	13883816												
Application Number:	13883445												
CORRESPONDENCE DATA													
<p>Fax Number: <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 215-568-6400 Email: hvartanian@vklaw.com Correspondent Name: Volpe and Koenig, P.C. Address Line 1: 30 South 17th Street Address Line 2: United Plaza Address Line 4: Philadelphia, PENNSYLVANIA 19103</p>													
ATTORNEY DOCKET NUMBER:	USAP202234, 202236,202238												
NAME OF SUBMITTER:	Harry Vartanian												

Signature:	/Harry Vartanian/
Date:	07/08/2013
<p>Total Attachments: 29</p> <p>source=IPW2-General-Assignment-ExhibitB#page1.tif source=IPW2-General-Assignment-ExhibitB#page2.tif source=IPW2-General-Assignment-ExhibitB#page3.tif source=IPW2-General-Assignment-ExhibitB#page4.tif source=IPW2-General-Assignment-ExhibitB#page5.tif source=IPW2-General-Assignment-ExhibitB#page6.tif source=IPW2-General-Assignment-ExhibitB#page7.tif source=IPW2-General-Assignment-ExhibitB#page8.tif source=IPW2-General-Assignment-ExhibitB#page9.tif source=IPW2-General-Assignment-ExhibitB#page10.tif source=IPW2-General-Assignment-ExhibitB#page11.tif source=IPW2-General-Assignment-ExhibitB#page12.tif source=IPW2-General-Assignment-ExhibitB#page13.tif source=IPW2-General-Assignment-ExhibitB#page14.tif source=IPW2-General-Assignment-ExhibitB#page15.tif source=IPW2-General-Assignment-ExhibitB#page16.tif source=IPW2-General-Assignment-ExhibitB#page17.tif source=IPW2-General-Assignment-ExhibitB#page18.tif source=IPW2-General-Assignment-ExhibitB#page19.tif source=IPW2-General-Assignment-ExhibitB#page20.tif source=IPW2-General-Assignment-ExhibitB#page21.tif source=IPW2-General-Assignment-ExhibitB#page22.tif source=IPW2-General-Assignment-ExhibitB#page23.tif source=IPW2-General-Assignment-ExhibitB#page24.tif source=IPW2-General-Assignment-ExhibitB#page25.tif source=IPW2-General-Assignment-ExhibitB#page26.tif source=IPW2-General-Assignment-ExhibitB#page27.tif source=IPW2-General-Assignment-ExhibitB#page28.tif source=IPW2-General-Assignment-ExhibitB#page29.tif</p>	

ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt of which is hereby acknowledged, IPWireless, Inc., a Delaware corporation, with an office at 90 New Montgomery Street, Suite 315, San Francisco, CA 94105 ("*Assignor*"), does hereby sell, assign, transfer, and convey unto Intellectual Ventures Holding 81 LLC, a Nevada limited liability company, with an address at 7251 W Lake Mead Blvd, Ste 300, Las Vegas, NV 89128 ("*Assignee*"), or its designees, all 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*");

Patent or application no.	Country	Filing Date	Title of Patent and Inventors
CN200380102352.8	CN	11/3/2003	Arrangement and method for sequence production in a spread spectrum communication system Peter Bruce Darwood; Alan Edward Jones
EP03769702.6	EP	11/3/2003	Arrangement and method for sequence production in a spread spectrum communication system Peter Bruce Darwood; Alan Edward Jones
JP4383348 (JP2004-547824)	JP	10/2/2009 (11/3/2003)	Sequence production in a spread spectrum communication system Peter Bruce Darwood; Alan Edward Jones
KR10-1060569 (KR10-2005-7007395)	KR	8/24/2011 (11/3/2003)	Arrangement and method for sequence production in a spread spectrum communication system Peter Bruce Darwood; Alan Edward Jones
7792179 (10/532162)	US	9/7/2010 (11/3/2003)	Arrangement and method for sequence production in a spread spectrum communication system Peter Bruce Darwood; Alan Edward Jones

7062278 (10/279697)	US	6/13/2006 (10/24/2002)	Method and arrangement for allocation of resources in a radio communication system Timothy James Speight
7286832 (11/241043)	US	10/23/2007 (9/30/2005)	Method and arrangement for allocation of resources in a radio communication system Timothy James Speight
DE60212197.3 (DE60212197.3)	DE	6/7/2006 (10/24/2002)	Method and arrangement for allocation of resources in a radio communication system Timothy James Speight
ES1477040 (ES02772553.0)	ES	6/7/2006 (10/24/2002)	Method and arrangement for allocation of resources in a radio communication system Timothy James Speight
FR1477040 (FR02772553.0)	FR	6/7/2006 (10/24/2002)	Method and arrangement for allocation of resources in a radio communication system Timothy James Speight
GB1477040 (GB02772553.0)	GB	6/7/2006 (10/24/2002)	Method and arrangement for allocation of resources in a radio communication system Timothy James Speight
IT1477040 (IT02772553.0)	IT	6/7/2006 (10/24/2002)	Method and arrangement for allocation of resources in a radio communication system Timothy James Speight
DE60321474.6 (DE60321474.6)	DE	6/4/2008 (10/1/2003)	Arrangement and method for session control in wireless communication network Andrew Gordon Williams
ES1550282 (ES03756551.2)	ES	6/4/2008 (10/1/2003)	Arrangement and method for session control in wireless communication network

			Andrew Gordon Williams
FR1550282 (FR03756551.2)	FR	6/4/2008 (10/1/2003)	Arrangement and method for session control in wireless communication network Andrew Gordon Williams
GB1550282 (GB03756551.2)	GB	6/4/2008 (10/1/2003)	Arrangement and method for session control in wireless communication network Andrew Gordon Williams
IT1550282 (IT03756551.2)	IT	6/4/2008 (10/1/2003)	Arrangement and method for session control in wireless communication network Andrew Gordon Williams
8068421 (10/529961)	US	11/29/2011 (10/1/2003)	Arrangement and method for session control in wireless communication network Andrew Gordon Williams
13/286825	US	11/1/2011	Arrangement and method for session control in wireless communication network Andrew Gordon Williams
EP05744934.0	EP	4/7/2005	Determining whether to initiate a multicast service in a neighbouring cell based on a user message received from a user equipment Derek Richards; Peter Legg
7835330 (10/873065)	US	11/16/2010 (6/21/2004)	Accessing a data network through a cellular communication system Andrew James Parker
EP05760931.5	EP	6/16/2005	A method and apparatus for accessing a data network through a cellular communication system Andrew James Parker

10/917968	US	8/12/2004	Power control in a wireless communication system Nicholas William Anderson
CN200580027091.7	CN	8/10/2005	Combined open loop/closed loop power control in a wireless communication system Nicholas William Anderson
CN2012100740	CN	8/10/2005	Combined open loop/closed loop power control in a wireless communication system Nicholas William Anderson
DE602005031400.8 (DE602005031400.8)	DE	11/23/2011 (8/10/2005)	The power control with the combination of open loop/closed loop in a wireless communication system Nicholas William Anderson
ES1779545 (ES05801370.7)	ES	11/23/2011 (8/10/2005)	The power control with the combination of open loop/closed loop in a wireless communication system Nicholas William Anderson
FI1779545 (FI05801370.7)	FI	11/23/2011 (8/10/2005)	The power control with the combination of open loop/closed loop in a wireless communication system Nicholas William Anderson
FR1779545 (FR05801370.7)	FR	11/23/2011 (8/10/2005)	The power control with the combination of open loop/closed loop in a wireless communication system Nicholas William Anderson
GB1779545 (GB05801370.7)	GB	11/23/2011 (8/10/2005)	The power control with the combination of open loop/closed loop in a wireless communication system Nicholas William Anderson

IT1779545 (IT05801370.7)	IT	11/23/2011 (8/10/2005)	The power control with the combination of open loop/closed loop in a wireless communication system Nicholas William Anderson
NL1779545 (NL05801370.7)	NL	11/23/2011 (8/10/2005)	The power control with the combination of open loop/closed loop in a wireless communication system Nicholas William Anderson
PL1779545 (PL05801370.7)	PL	11/23/2011 (8/10/2005)	The power control with the combination of open loop/closed loop in a wireless communication system Nicholas William Anderson
SE1779545 (SE05801370.7)	SE	11/23/2011 (8/10/2005)	The power control with the combination of open loop/closed loop in a wireless communication system Nicholas William Anderson
TR1779545 (TR05801370.7)	TR	11/23/2011 (8/10/2005)	The power control with the combination of open loop/closed loop in a wireless communication system Nicholas William Anderson
AT2271155 (AT10185576.5)	AT	2/8/2012 (8/10/2005)	Methods for combined open loop/closed loop power control in a wireless communication system, corresponding base station and remote transceiver Nicholas William Anderson
DE602005032651.0 (DE602005032651.0)	DE	2/8/2012 (8/10/2005)	Methods for combined open loop/closed loop power control in a wireless communication system, corresponding base station and remote transceiver Nicholas William Anderson

ES2271155 (ES10185576.5)	ES	2/8/2012 (8/10/2005)	Methods for combined open loop/closed loop power control in a wireless communication system, corresponding base station and remote transceiver Nicholas William Anderson
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GB2271155 (GB10185576.5)	GB	2/8/2012 (8/10/2005)	Methods for combined open loop/closed loop power control in a wireless communication system, corresponding base station and remote transceiver Nicholas William Anderson
IT2271155 (IT10185576.5)	IT	2/8/2012 (8/10/2005)	Methods for combined open loop/closed loop power control in a wireless communication system, corresponding base station and remote transceiver Nicholas William Anderson
NL2271155 (NL10185576.5)	NL	2/8/2012 (8/10/2005)	Methods for combined open loop/closed loop power control in a wireless communication system, corresponding base station and remote transceiver Nicholas William Anderson

PL2271155 (PL10185576.5)	PL	2/8/2012 (8/10/2005)	Methods for combined open loop/closed loop power control in a wireless communication system, corresponding base station and remote transceiver Nicholas William Anderson
SE2271155 (SE10185576.5)	SE	2/8/2012 (8/10/2005)	Methods for combined open loop/closed loop power control in a wireless communication system, corresponding base station and remote transceiver Nicholas William Anderson
TR2271155 (TRE10185576.5)	TR	2/8/2012 (8/10/2005)	Methods for combined open loop/closed loop power control in a wireless communication system, corresponding base station and remote transceiver Nicholas William Anderson
JP2007-525302	JP	8/10/2005	Combined open loop/closed loop power control in a wireless communication system Nicholas William Anderson
JP2011-234218	JP	10/25/2011	Unable to verify Nicholas William Anderson
KR10-2007-7005478	KR	8/10/2005	Power control in a wireless communication system Nicholas William Anderson
8098621 (11/209281)	US	1/17/2012 (8/23/2005)	Compatible broadcast downlink and unicast uplink interference reduction for a wireless communication system Martin W. Beale
CN200680038351.5	CN	7/20/2006	Compatible broadcast downlink and unicast uplink interference reduction for a wireless communication system

			M. Beale
EP06792532.1	EP	7/20/2006	Compatible broadcast downlink and unicast uplink interference reduction for a wireless communication system Martin Beale
JP4772121 (JP2008-527415)	JP	7/1/2011 (7/20/2006)	Compatible broadcast downlink and unicast uplink interference reduction for a wireless communication system Martin Beale
JP2011-097516	JP	4/25/2011	Interference reduction method, base station, mobile station, and computer-readable medium Martin Beale
8005041 (11/430421)	US	8/23/2011 (5/8/2006)	Wireless communication system, apparatus for supporting data flow and method therefor Timothy J. Speight
13/212843	US	8/18/2011	Wireless communication system, apparatus for supporting data flow and method therefor Timothy J. Speight
CN200780021662.5	CN	4/27/2007	Mapping services to radio bearers and allocating bandwidth to the radio bearers according to weight values Timothy Speight
EP07728609.4	EP	4/27/2007	Mapping services to radio bearers and allocating bandwidth to the radio bearers according to weight values Timothy Speight

JP2009-508323	JP	4/27/2007	Mapping services to radio bearers and allocating bandwidth to the radio bearers according to weight values Timothy Speight
KR10-1118339 (KR10-2008-7029455)	KR	2/13/2012 (4/27/2007)	Mapping services to radio bearers and allocating bandwidth to the radio bearers according to weight values Timothy Speight
KR10-2011-7025396	KR	10/26/2011	Mapping services to radio bearers and allocating bandwidth to the radio bearers according to weight values Timothy Speight
11/796181	US	4/27/2007	Methods, base station, remote station and system for high speed downlink packet access (HSDPA) communication Peter Jonathon Legg
CN200880010665.3	CN	4/24/2008	Methods, base station, remote station and system for high speed downlink packet access (HSDPA) communication Peter Legg
EP08736556.5	EP	4/24/2008	Methods, base station, remote station and system for high speed downlink packet access (HSDPA) communication Peter Legg
JP2010-504698	JP	4/24/2008	Methods, base station, remote station and system for high speed downlink packet access (HSDPA) communication Peter Legg

KR10-2009-7020238	KR	4/24/2008	Methods, base station, remote station and system for high speed downlink packet access (HSDPA) communication Peter Legg
11/416865	US	5/2/2006	Network-initiated communication establishment in a cellular system Chandrika K. Worrall
CN200780021642.8	CN	4/27/2007	Network-initiated communication establishment in a cellular system Chandrika K. Worrall
EP07728616.9	EP	4/27/2007	Network-initiated communication establishment in a cellular system Chandrika K. Worrall
JP2009-508324	JP	4/27/2007	Network-initiated communication establishment in a cellular system Chandrika K. Worrall
JP2011-198526	JP	9/12/2011	Network-initiated communication establishment in a cellular system Chandrika K. Worrall
KR10-1075925 (KR10-2008-7029409)	KR	10/17/2011 (4/27/2007)	Network-initiated communication establishment in a cellular system Chandrika K. Worrall
KR10-1099840 (KR10-2011-7006124)	KR	12/21/2011 (3/16/2011)	Network-initiated communication establishment in a cellular system Chandrika K. Worrall
KR10-1110558 (KR10-2011-7024572)	KR	1/19/2012 (10/18/2011)	Network-initiated communication establishment in a cellular system Chandrika K. Worrall
11/502928	US	8/11/2006	Application-layer combining of multimedia streams delivered over multiple radio access networks and delivery modes Chandrika K. Worrall; Haris

			Zisimopoulos; Alan Edward Jones
AU283554 (AU2007283554)	AU	9/1/2011 (8/8/2007)	Application-layer combining of multimedia streams delivered over multiple radio access networks and delivery modes Alan Edward Jones; Haris Zisimopoulos; Chandrika K. Worrall
AU2011213704	AU	8/16/2011	Application-layer combining of multimedia streams delivered over multiple radio access networks and delivery modes Alan Edward Jones; Haris Zisimopoulos; Chandrika K. Worrall
CN200780034530.6	CN	8/8/2007	Application-layer combining of multimedia streams delivered over multiple radio access networks and delivery modes C. K. Worrall; H. Zisimopoulos; A. E. Jones
EP07802543.4	EP	8/8/2007	Application-layer combining of multimedia streams delivered over multiple radio access networks and delivery modes Chandrika K. Worrall; Haris Zisimopoulos; Alan Edward Jones
JP2009-523291	JP	8/8/2007	Application-layer combining of multimedia streams delivered over multiple radio access networks and delivery modes Chandrika K. Worrall; Haris Zisimopoulos; Alan Edward Jones
JP2011-093137	JP	4/19/2011	Service center Chandrika K. Worrall; Haris Zisimopoulos; Alan Edward Jones

KR10-1047091 (KR10-2009-7004518)	KR	6/30/2011 (8/8/2007)	Application-layer combining of multimedia streams delivered over multiple radio access networks and delivery modes Chandrika K. Worrall; Haris Zisimopoulos; Alan Edward Jones
KR10-2011-7004672	KR	2/25/2011	Application-layer combining of multimedia streams delivered over multiple radio access networks and delivery modes Chandrika K. Worrall; Haris Zisimopoulos; Alan Edward Jones
11/502929	US	8/11/2006	Direct user plane tunnel delivery of broadcast and multicast traffic Haris Zisimopoulos; Chandrika K. Worrall; Alan Edward Jones
AU283553 (AU2007283553)	AU	6/23/2011 (8/8/2007)	Direct user plane tunnel delivery of broadcast and multicast traffic Alan Edward Jones; Haris Zisimopoulos; Chandrika K. Worrall
CN200780034620.5	CN	8/8/2007	Direct user plane tunnel delivery of broadcast and multicast traffic Haris Zisimopoulos; Chandrika K. Worrall; Alan Edward Jones
EP07802542.6	EP	8/8/2007	Direct user plane tunnel delivery of broadcast and multicast traffic Haris Zisimopoulos; Chandrika K. Worrall; Alan Edward Jones
EP10172739.4	EP	8/8/2007	Direct user plane tunnel delivery of broadcast and multicast traffic Haris Zisimopoulos; Chandrika K. Worrall; Alan Edward Jones
JP2009-523290	JP	8/8/2007	Direct user plane tunnel delivery of broadcast and multicast traffic Haris Zisimopoulos; Chandrika K.

			Worrall; Alan Edward Jones
KR10-2009-7004889	KR	3/9/2009	Direct user plane tunnel delivery of broadcast and multicast traffic Haris Zisimopoulos; Chandrika K. Worrall; Alan Edward Jones
KR10-2011-7007702	KR	4/1/2011	Direct user plane tunnel delivery of broadcast and multicast traffic Haris Zisimopoulos; Chandrika K. Worrall; Alan Edward Jones
8009639 (11/646692)	US	8/30/2011 (12/27/2006)	Feedback control in an FDD TDD-CDMA system Paul Howard
13/176298	US	7/5/2011	Feedback control in an FDD TDD-CDMA system Paul Howard
CN200780050639.9	CN	12/21/2007	Feedback control in TDD system operating in FDD mode Paul Howard
EP07858094.1	EP	12/21/2007	Feedback control in TDD system operating in FDD mode Paul Howard
JP2009-543459	JP	12/21/2007	Feedback control in TDD system operating in FDD mode Paul Howard
KR10-2009-7015635	KR	12/21/2007	Feedback control in TDD system operating in FDD mode Paul Howard
8027291 (11/863205)	US	9/27/2011 (9/27/2007)	Method and apparatus for transmitting transport channels over a physical channel of a cellular communication system Martin Warwick Beale

13/212867	US	8/18/2011	Method and apparatus for transmitting transport channels over a physical channel of a cellular communication system Martin Warwick Beale
CN200880109067.1	CN	9/12/2008	Method and apparatus for transmitting transport channels over a physical channel of a cellular communication system Martin Warwick Beale
EP08804140.5	EP	9/12/2008	Method and apparatus for transmitting transport channels over a physical channel of a cellular communication system Martin Warwick Beale
JP2010-526245	JP	9/12/2008	Method and apparatus for transmitting transport channels over a physical channel of a cellular communication system Martin Warwick Beale
KR10-2010-7008257	KR	9/12/2008	Method and apparatus for transmitting transport channels over a physical channel of a cellular communication system Martin Warwick Beale
8064382 (11/864640)	US	11/22/2011 (9/28/2007)	Apparatus and method for scheduling in a wireless communication system Haris Zisimopoulos; Chandrika Worrall
CN200880109066.7	CN	9/12/2008	Apparatus and method for uplink scheduling in a wireless communication system Haris Zisimopoulos; Chandrika Worrall
EP08804113.2	EP	9/12/2008	Apparatus and method for uplink scheduling in a wireless

			communication system Haris Zisimopoulos; Chandrika Worrall
JP2010-526244	JP	9/12/2008	Apparatus and method for uplink scheduling in a wireless communication system Haris Zisimopoulos; Chandrika Worrall
KR10-2010-7006339	KR	9/12/2008	Apparatus and method for uplink scheduling in a wireless communication system Haris Zisimopoulos; Chandrika Worrall
13/212830	US	8/18/2011	Apparatus and method for scheduling in a wireless communication system Haris Zisimopoulos; Chandrika Worrall
GB2466191 (GB0822408.1)	GB	12/29/2010 (12/9/2008)	Communication system, apparatus and methods for providing and acquiring a system information message Chandrika Kumudinie Worrall
EP09801400.4	EP	12/9/2009	Communication system, apparatus and methods for providing and acquiring a system information message Chandrika Worrall
13/133076	US	12/9/2009	Communication system, apparatus and methods for providing and acquiring a system information message Chandrika Worrall
GB2377586 (GB0116555.4)	GB	6/29/2005 (7/6/2001)	SYSTEM AND METHOD FOR CHANNEL TRANSPORT FORMAT ALLOCATION IN A WIRELESS

			COMMUNICATION SYSTEM Timothy James Speight
7366094 (10/190458)	US	4/29/2008 (7/5/2002)	System and method for channel transport format allocation in a wireless communication system Timothy James Speight
12/770172	US	4/29/2010	System and method for channel transport format allocation in a wireless communication system Timothy James Speight
7385994 (10/278342)	US	6/10/2008 (10/23/2002)	Packet data queuing and processing Timothy James Speight
DE60221714.8 (DE60221714.8)	DE	8/8/2007 (10/24/2002)	Hierarchical and weighted packet data queue scheduling Timothy James Speight
ES1476983 (ES02772549.8)	ES	8/8/2007 (10/24/2002)	Hierarchical and weighted packet data queue scheduling Timothy James Speight
FR1476983 (FR02772549.8)	FR	8/8/2007 (10/24/2002)	Hierarchical and weighted packet data queue scheduling Timothy James Speight
GB1476983 (GB02772549.8)	GB	8/8/2007 (10/24/2002)	Hierarchical and weighted packet data queue scheduling Timothy James Speight
IT1476983 (IT02772549.8)	IT	8/8/2007 (10/24/2002)	Hierarchical and weighted packet data queue scheduling Timothy James Speight
GB2440978 (GB0616241.6)	GB	1/4/2012 (8/16/2006)	Wireless communication system, apparatus for supporting data flow and methods therefor Timothy Speight
8031654 (11/726397)	US	10/4/2011 (3/20/2007)	Wireless communication system, apparatus for supporting data flow

			and methods therefor Timothy J. Speight
13/234904	US	9/16/2011	Wireless communication system, apparatus for supporting data flow and methods therefor Timothy J. Speight
EP07789600.9	EP	7/26/2007	Wireless communication system, apparatus for supporting data flow and methods therefor Timothy Speight
GB2377585 (GB0116554.7)	GB	8/24/2005 (7/6/2001)	Communication resource access request Timothy James Speight
7340256 (10/190345)	US	3/4/2008 (7/5/2002)	Method, system and communication unit for requesting a communication resource Timothy James Speight
12/016953	US	1/18/2008	Method, system and communication unit for requesting a communication resource Timothy James Speight
GB2394143 (GB0223311.2)	GB	3/7/2006 (10/8/2002)	System and method for use of internet authentication technology to provide UMTS authentication Andrew Gordon Williams; Andrew James Parker
EP03748362.5	EP	10/8/2003	System and method to provide umts and internet authentication Andrew Gordon Williams; Andrew James Parker
IN02671/2006	IN	11/8/2004	Method and apparatus for improved throughput in a communication system Nicholas William Anderson

7301930 (10/241966)	US	11/27/2007 (9/12/2002)	Encoder and method for efficient synchronisation channel encoding in UTRA TDD mode Alan Edward Jones; Paul Howard
CNZL02819606.6 (CN02819606.6)	CN	5/27/2009 (9/13/2002)	Encoder and method for efficient synchronisation channel encoding in UTRA TDD mode Alan Edward Jones; Paul Howard
EP02758611.4	EP	9/13/2002	Encoder and method for efficient synchronisation channel encoding in UTRA TDD mode Alan Edward Jones; Paul Howard
JP4223400 (JP2003-527924)	JP	11/28/2008 (9/13/2002)	Efficient synchronisation channel encoding in UTRA TDD mode Alan Edward Jones; Paul Howard
KR10-0901406 (KR10-2004-7003798)	KR	6/1/2009 (9/13/2002)	Encoder and method for efficient synchronisation channel encoding in UTRA TDD mode Alan Edward Jones; Paul Howard
GB2394868 (GB0225497.7)	GB	4/5/2006 (11/1/2002)	Encoder and method for efficient synchronisation channel encoding in UTRA TDD mode Alan Edward Jones; Paul Howard
EP02779683.8	EP	11/14/2002	Method, communication system and communication unit for synchronisation for multi-rate communication Paul Howard
EP10183191.5	EP	11/14/2002	Method, communication system and communication unit for synchronisation for multi-rate communication Paul Howard
7356098 (10/293635)	US	4/8/2008 (11/13/2002)	Method, communication system and communication unit for synchronisation for multi-rate

			communication Paul Howard
7848353 (12/033824)	US	12/7/2010 (2/19/2008)	Method, communication system and communication unit for synchronisation for multi-rate communication Paul Howard
12/960774	US	12/6/2010	Method, communication system and communication unit for synchronisation for multi-rate communication Paul Howard
DE602005016798.6 (DE602005016798.6)	DE	9/23/2009 (4/7/2005)	Method and arrangement for allocating a dedicated channel in a cellular communication system Peter Jonathon Legg
ES1757134 (ES05740112.7)	ES	9/23/2009 (4/7/2005)	Method and arrangement for allocating a dedicated channel in a cellular communication system Peter Jonathon Legg
FR1757134 (FR05740112.7)	FR	9/23/2009 (4/7/2005)	Method and arrangement for allocating a dedicated channel in a cellular communication system Peter Jonathon Legg
GB1757134 (GB05740112.7)	GB	9/23/2009 (4/7/2005)	Method and arrangement for allocating a dedicated channel in a cellular communication system Peter Jonathon Legg
IT1757134 (IT05740112.7)	IT	9/23/2009 (4/7/2005)	Method and arrangement for allocating a dedicated channel in a cellular communication system Peter Jonathon Legg
11/578090	US	4/7/2005	Method and Arrangement for Allocating a Dedicated Channel in a Cellular Communication System

			Peter Jonathon Legg
12/205690	US	9/5/2008	Method and apparatus for allocating a communication cell to a cluster Lars Ornbo; Martin J. Schmidt
CN200980141691.4	CN	8/18/2009	Method and apparatus for dynamically allocating a communication cell to a cluster Lars Noergaard Oernbo; Martin Jansen Schmidt
EP09781943.7	EP	8/18/2009	Method and apparatus for dynamically allocating a communication cell to a cluster Lars Noergaard Oernbo; Martin Jansen Schmidt
JP2011-525500	JP	8/18/2009	Method and apparatus for dynamically allocating a communication cell to a cluster Lars Noergaard Oernbo; Martin Jansen Schmidt
KR10-2011-7007818	KR	8/18/2009	Method and apparatus for dynamically allocating a communication cell to a cluster Lars Noergaard Oernbo; Martin Jansen Schmidt
IN01614/2011	IN	8/18/2009	Method and apparatus for dynamically allocating a communication cell to a cluster Lars Noergaard Oernbo; Martin Jansen Schmidt
11/820269	US	6/18/2007	System and scheduler for intercell interference cancellation Nicholas William Anderson
CN200780030847.2	CN	6/18/2007	System and scheduler for intercell interference cancellation

			Nicholas Anderson
DE602007014529.5 (DE602007014529.5)	DE	5/11/2011 (6/18/2007)	Scheduling resources in a cellular wireless network Nicholas Anderson
ES2039200 (ES07765474.7)	ES	5/11/2011 (6/18/2007)	Scheduling resources in a cellular wireless network Nicholas William Anderson
FR2039200 (FR07765474.7)	FR	5/11/2011 (6/18/2007)	Scheduling resources in a cellular wireless network Nicholas William Anderson
GB2039200 (GB07765474.7)	GB	5/11/2011 (6/18/2007)	Scheduling resources in a cellular wireless network Nicholas William Anderson
IT2039200 (IT07765474.7)	IT	5/11/2011 (6/18/2007)	Scheduling resources in a cellular wireless network Nicholas William Anderson
EP11162107.4	EP	6/18/2007	System and scheduler for intercell interference cancellation Nicholas Anderson
EP11165563.5	EP	6/18/2007	System and scheduler for intercell interference cancellation Nicholas Anderson
JP2009-515854	JP	6/18/2007	System and scheduler for intercell interference cancellation Nicholas Anderson
KR10-2008-7031782	KR	6/18/2007	System and scheduler for intercell interference cancellation Nicholas William Anderson
KR10-2010-7019332	KR	8/30/2010	System and scheduler for intercell interference cancellation Nicholas William Anderson

CN201110407932.4	CN	12/9/2011	Unable to verify Unable to verify
JP2011-249092	JP	11/14/2011	Unable to verify Unable to verify
12/169556	US	7/8/2008	Method and apparatus for providing broadcast services Lars N. Ornbo; John Pedersen
EP09779786.4	EP	6/16/2009	Method and apparatus for providing broadcast services Lars Norgaard Ornbo; John Pedersen
IN00166/2011	IN	6/16/2009	Method and apparatus for providing broadcast services Lars Norgaard Ornbo; John Pedersen
JP2011-517060	JP	6/16/2009	Method and apparatus for providing broadcast services Lars Norgaard Ornbo; John Pedersen
KR10-2011-7002487	KR	6/16/2009	Method and apparatus for providing broadcast services Lars Norgaard Ornbo; John Pedersen
12/169563	US	7/8/2008	Method and apparatus for providing cell configuration information to a network element Bent H. Rysgaard
CN200980134813.7	CN	6/16/2009	Method and apparatus for providing cell configuration information to a network element Bent Henneberg Rysgaard
EP09779787.2	EP	6/16/2009	Method and apparatus for providing cell configuration information to a network element

			Bent Henneberg Rysgaard
IN00167/2011	IN	6/16/2009	Method and apparatus for providing cell configuration information to a network element Bent Henneberg Rysgaard
JP2011-517061	JP	6/16/2009	Method and apparatus for providing cell configuration information to a network element Bent Henneberg Rysgaard
KR10-2011-7002494	KR	6/16/2009	Method and apparatus for providing cell configuration information to a network element Bent Henneberg Rysgaard
CN200980150460.X	CN	10/23/2009	Broadcasting communication in a wireless communication system Nicholas William Anderson; Alan Edward Jones
EP09751845.0	EP	10/23/2009	Broadcasting communication in a wireless communication system Nicholas William Anderson; Alan Edward Jones
IN02972/2011	IN	10/23/2009	Broadcasting communication in a wireless communication system Nicholas William Anderson; Alan Edward Jones
JP2011-532654	JP	10/23/2009	Broadcasting communication in a wireless communication system Nicholas William Anderson; Alan Edward Jones
KR10-2011-7011819	KR	10/23/2009	Broadcasting communication in a wireless communication system Nicholas William Anderson; Alan Edward Jones

13/125441	US	10/23/2009	Broadcasting communication in a wireless communication system Alan Edward Jones; Nicholas William Anderson
GB2465628 (GB0821745.7)	GB	3/23/2011 (11/27/2008)	Communication system, communication units, and method for employing a pilot transmission scheme Nicholas William Anderson
GB2474794 (GB1102169.8)	GB	6/15/2011 (11/27/2008)	Communication system, communication units, and method for employing a pilot transmission scheme Nicholas William Anderson
GB2474795 (GB1102170.6)	GB	6/22/2011 (11/27/2008)	Communication system, communication units, and method for employing a pilot transmission scheme Nicholas William Anderson
CN200980155337.7	CN	11/27/2009	Communication system, communication units, and method for employing a pilot transmission scheme Nicholas Anderson
EP09796943.0	EP	11/27/2009	Communication system, communication units, and method for employing a pilot transmission scheme Nicholas Anderson
IN04502/2011	IN	11/27/2009	Communication system, communication units, and method for employing a pilot transmission scheme Nicholas Anderson
JP2011-537894	JP	11/27/2009	Communication system, communication units, and method for employing a pilot transmission

			scheme Nicholas Anderson
KR10-2011-7014826	KR	11/27/2009	Communication system, communication units, and method for employing a pilot transmission scheme Nicholas William Anderson
13/131675	US	11/27/2009	Communication system, communication units, and method for employing a pilot transmission scheme Nicholas William Anderson
GB2416093 (GB0415422.5)	GB	6/11/2008 (7/9/2004)	Method and arrangement for resource allocation in a communication system Timothy Speight
GB1003111.0	GB	2/24/2010	Apparatus and methods for broadcast-unicast communication handover Timothy Wilkinson; Jonathan Eskins; Neil Edgar; Alan Jones
PCT/EP2011/051860	WO	2/9/2011	Apparatus and methods for broadcast-unicast communication handover Timothy Wilkinson; Jonathan Eskins; Neil Edgar; Alan Jones
GB1012073.1	GB	7/19/2010	Communication unit and pilot method for time varying channels Huiheng Mai, Paul Howard; Alan Edward Jones
PCT/EP2011/062382	WO	7/19/2011	Communication unit and pilot method for time varying channels Huiheng Mai, Paul Howard; Alan Edward Jones

GB1019145.0	GB	11/12/2010	Wireless communication system, communication unit, and method for scheduling Timothy Wilkinson; Timothy Speight
PCT/EP2011/069663	WO	11/8/2011	Wireless communication system, communication unit, and method for scheduling Timothy Wilkinson; Timothy Speight
GB1108743.4	GB	5/25/2011	Wireless network element integrated circuit and method for reducing interference William Jones; Timothy Wilkinson
GB1104614.1	GB	3/18/2011	Mobile communications network and method Robert Zakrzewski
PCT/EP2012/054265	WO	3/12/2012	Mobile communications network and method Robert Zakrzewski
GB1018839.9	GB	11/8/2010	Mobile communications network, infrastructure equipment and method Robert Zakrzewski
PCT/GB2011/051871	WO	10/3/2011	Mobile communications network, infrastructure equipment and method Robert Zakrzewski
GB1018841.5	GB	11/8/2010	Infrastructure equipment and method Robert Zakrzewski
PCT/GB2011/052092	WO	10/27/2011	Infrastructure equipment and method Robert Zakrzewski

GB1018842.3	GB	11/8/2010	Mobile communications device and method Robert Zakrzewski
PCT/GB2011/051963	WO	10/12/2011	Mobile communications device and method Robert Zakrzewski
GB1111267.9	GB	7/1/2011	Mobile communications device and method Robert Zakrzewski
GB1111269.5	GB	7/1/2011	Mobile communications network, infrastructure equipment and method Robert Zakrzewski
GB1113147.1	GB	7/29/2011	Mobile communications network, infrastructure equipment and method Steve Barrett
GB1113146.3	GB	7/29/2011	Communications terminal and method Steve Barrett
GB1115748.4	GB	9/12/2011	Communications terminal and method Paul Howard
GB1115747.6	GB	9/12/2011	Mobile communications network, infrastructure equipment and method Paul Howard
GB1200998.1	GB	1/21/2012	Wireless communications system and methods Philip Young
GB1201000.5	GB	1/20/2012	Wireless communications system and method Philip Young

(b) all patents and patent applications (i) to which any of the Patents directly or indirectly claims priority, (ii) for which any of the Patents directly or indirectly forms a basis for priority, and/or (iii) that were commonly-owned applications that incorporate by reference, or are incorporated by reference into, the Patents;

(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 with respect 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) Assignor's right, title and interest in and to inventions, invention disclosures, and discoveries described in the specifications of any of the items in the foregoing categories (a) through (e), that (i) form the basis of a claim included in any of the foregoing categories (a) through (e); and/or (ii) are subject matter capable of being reduced to an allowable patent claim in a reissue or reexamination proceeding brought on any of the foregoing categories (a) through (e);

(g) rights to apply in any or all countries of the world for patents and similar patent rights claiming priority to any item in the foregoing categories (a) through (f);

(h) causes of action (whether known or unknown or whether currently pending, filed, or otherwise) and other enforcement rights under, or on account of, any item in the foregoing categories (a) through (g), including, without limitation, all causes of action and other enforcement rights for (i) damages, (ii) injunctive relief, and (iii) any other remedies of any kind for past infringement, except, in each case, for such rights relating to certain rights, claims or entities separately excluded by Assignor; and

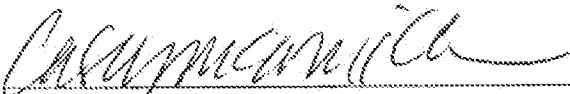
(i) rights to collect royalties or other payments under or on account of any of the Patents and/or any item in the foregoing categories (a) through (h), except, in each case, for such rights relating to certain rights, claims or entities separately excluded by Assignor.

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.

IN WITNESS WHEREOF this Assignment of Patent Rights is executed at San Francisco, CA on April 27, 2012.

ASSIGNOR:

IPWireless, Inc.

By: 
Name: Casey McCormick
Title: General Counsel
(Signature MUST be attested)

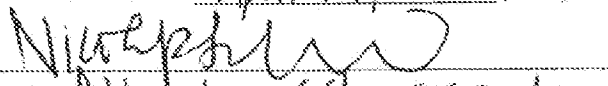
ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. § 1746

The undersigned witnessed the signature of Casey McCormick to the above Assignment of Patent Rights on behalf of IPWireless, Inc. and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
2. Casey McCormick is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on April 27, 2012 to execute the above Assignment of Patent Rights on behalf of IPWireless, Inc.
3. Casey McCormick subscribed to the above Assignment of Patent Rights on behalf of IPWireless, Inc.

I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true and correct.

EXECUTED on April 27, 2012 (date)


Print Name: Nicole Scherrek