

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5771063

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
INTELLECTUAL VENTURES ASSETS 105 LLC	12/11/2018
RECEIVING PARTY DATA	
Name:	FAR NORTH PATENTS, LLC
Street Address:	18383 PRESTON RD, SUITE 250
City:	DALLAS
State/Country:	TEXAS
Postal Code:	75252
PROPERTY NUMBERS Total: 51	
Property Type	Number
Patent Number:	6735429
Patent Number:	6452945
Patent Number:	6529303
Patent Number:	6407843
Patent Number:	7228077
Patent Number:	7664403
Patent Number:	6215797
Patent Number:	6246702
Patent Number:	6751231
Patent Number:	6661804
Patent Number:	8891504
Patent Number:	6175616
Patent Number:	6483900
Patent Number:	7280642
Patent Number:	7356128
Patent Number:	7499527
Patent Number:	7460859
Patent Number:	7734018
Patent Number:	7529350
Patent Number:	7688952

PATENT

Property Type	Number
Patent Number:	7200791
Application Number:	09569761
Application Number:	09571349
Application Number:	10382094
Application Number:	09853556
Application Number:	09854246
Application Number:	10654619
Application Number:	60107224
Application Number:	11565374
Application Number:	11565405
Application Number:	11589150
Application Number:	10769449
Application Number:	12648936
Application Number:	13169173
Application Number:	13529407
Application Number:	13540824
Application Number:	13540826
Application Number:	13540818
Application Number:	60289678
Application Number:	10688787
Application Number:	10757031
PCT Number:	US1999026077
PCT Number:	US1999017218
PCT Number:	US2000023607
PCT Number:	US2001024761
PCT Number:	US2000040479
PCT Number:	US2001046283
PCT Number:	US1999018984
PCT Number:	US2002014847
PCT Number:	US2000019013
PCT Number:	US2000018983

CORRESPONDENCE DATA

Fax Number: (713)581-3020

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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Address Line 1: ANTONELLI, HARRINGTON & THOMPSON LLP

PATENT

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ATTORNEY DOCKET NUMBER:	FAR NORTH
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NAME OF SUBMITTER:	LARRY D. THOMPSON, JR.
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SIGNATURE:	/Larry D. Thompson, Jr. #43,952/
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DATE SIGNED:	10/15/2019
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Total Attachments: 18

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ASSIGNMENT OF RIGHTS IN CERTAIN ASSETS

For good and valuable consideration, the receipt of which is hereby acknowledged, Intellectual Ventures Assets 105 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 Far North Patents, LLC a Texas limited liability company with an office at 18383 Preston Rd, Suite 250, Dallas, TX 75252 ("**Assignee**"), its right, title, and interest in and to any and all of the following provisional patent applications, patent applications, patents, and other governmental grants or issuances of any kind (the "**Certain Assets**"):

<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Inventors</u>
PCT/US1999/026077	WO	11/5/1999	METHOD AND SYSTEMS FOR PROVIDING INFORMATION TO A HOME SYSTEM REGARDING A WIRELESS UNIT ROAMING IN A VISITED SYSTEM Robert Andrew Adamany; Ann M. Catanese; Edward Lawrence Didion; Richard L. Charbono Jr.
6735429 (09/586323)	US	5/11/2004 (6/2/2000)	METHOD AND SYSTEMS FOR PROVIDING INFORMATION TO A HOME SYSTEM REGARDING A WIRELESS UNIT ROAMING IN A VISITED SYSTEM Robert Andrew Adamany; Ann M. Catanese; Edward Lawrence Didion; Richard L. Charbono Jr.

<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Inventors</u>
6452945 (09/229594)	US	9/17/2002 (1/13/1999)	ELECTRICAL ADD-DROP MULTIPLEXING FOR OPTICAL COMMUNICATIONS NETWORKS UTILIZING FREQUENCY DIVISION MULTIPLEXING Laurence J. Newell; Abraham Kou; Michael W. Rowan; David B. Upham; Augustus Elmer; James F. Coward; David A. Pechner; Norman L. Swenson; Minnie Ho
CA2320762	CA	2/2/1999	SYSTEM AND METHOD FOR SPECTRALLY EFFICIENT TRANSMISSION OF DIGITAL DATA OVER OPTICAL FIBER Rowan, Michael W.; Chang, Peter; Coward, James F.; Taur, Roger R.; Wilson, Stuart; Yee, Ting K.
EP1060603 (EP99905649.2)	EP	5/17/2006 (2/2/1999)	System and method for spectrally efficient transmission of digital data over optical fiber Rowan, Michael W.; Chang, Peter; Coward, James F.; Taur, Roger R.; Wilson, Stuart; Yee, Ting K.
EP1689142 (EP06010037.7)	EP	12/3/2008 (2/2/1999)	SYSTEM AND METHOD FOR SPECTRALLY EFFICIENT TRANSMISSION OF DIGITAL DATA OVER OPTICAL FIBER Rowan, Michael W.; Chang, Peter; Coward, James F.; Taur, Roger R.; Wilson, Stuart; Yee, Ting K.

<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Inventors</u>
09/372143	US	8/20/1999	OPTICAL COMMUNICATIONS UTILIZING FREQUENCY DIVISION MULTIPLEXING AND WAVELENGTH-DIVISION MULTIPLEXING PETER H. CHANG; TING K. YEE; MICHAEL W. ROWAN; JAMES F. COWARD; STUART E. WILSON
6529303 (09/405367)	US	3/4/2003 (9/24/1999)	OPTICAL COMMUNICATIONS NETWORKS UTILIZING FREQUENCY DIVISION MULTIPLEXING Michael W. Rowan; David B. Upham; Augustus Elmer; Laurence J. Newell; David A. Pechner; Abraham Kou; James F. Coward; Norman L. Swenson; Minnie Ho; Peter H. Chang; Ting K. Yee; Stuart E. Wilson
6407843 (09/728376)	US	6/18/2002 (11/28/2000)	SYSTEM AND METHOD FOR SPECTRALLY EFFICIENT TRANSMISSION OF DIGITAL DATA OVER OPTICAL FIBER Peter Chang; Michael W. Rowan; James F. Coward; Ting K. Yee; Roger R. Taur; Stuart Wilson
09/569761	US	5/12/2000	Channel gain control for an optical communications system utilizing frequency division multiplexing Newell, Laurence J.; Coward, James F.

<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Inventors</u>
EP00968394.7	EP	9/21/2000	Channel gain control for an optical communications system utilizing frequency division multiplexing COWARD JAMES F; NEWELL LAURENCE J
09/571349	US	5/16/2000	Through-timing of data transmitted across an optical communications system utilizing frequency division multiplexing Pechner, David A.; Newell, Laurence J.
10/382094	US	3/4/2003	Optical communications networks utilizing frequency division multiplexing Rowan, Michael W.; Upham, David B.; Elmer, Augustus; Newell, Laurence J.; Pechner, David A.; Kou, Abraham; Coward, James F.; Swenson, Norman L.; Ho, Minnie; Chang, Peter H.; Yee, Ting K.; Wilson, Stuart E.
09/853556	US	5/11/2001	Control channel for an optical communications system utilizing frequency division multiplexing Newell, Laurence J.; Pechner, David A.; Elmer, Augustus; Upham, David B.
7228077 (09/854153)	US	6/5/2007 (5/11/2001)	Channel gain control for an optical communications system utilizing frequency division multiplexing Newell, Laurence J.; Coward, James F.

<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Inventors</u>
7664403 (11/683210)	US	2/16/2010 (3/7/2007)	Synchronizing nodes in an optical communications system utilizing frequency division multiplexing Newell, Laurence J.; Coward, James F.
09/854246	US	5/11/2001	Synchronizing nodes in an optical communications system utilizing frequency division multiplexing Newell, Laurence J.
10/654619	US	9/3/2003	SYSTEM FOR TRANSPORTING ETHERNET FRAMES OVER VERY HIGH SPEED DIGITAL SUBSCRIBER LINES Yuri Poddobny; Yackov Sfadya; Eytan Mann; Amit Lewin
60/107224	US	11/5/1998	SCP/INTERNATIONAL GATEWAY- ANSS7 NETWORK ELEMENT THAT PERFORMS SS7 MESSAGE ROUTING, CALL DELIVERY AND PIN FRAUD PROTECTION FOR CELLULAR USERS ROAMING INTERNATIONALLY ROBERT A. ADAMANY

<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Inventors</u>
PCT/US1999/017218	WO	8/6/1999	METHOD AND SYSTEMS FOR PROVIDING INFORMATION TO A HOME SYSTEM REGARDING A WIRELESS UNIT ROAMING IN A VISITED SYSTEM Robert Andrew Adamany; Ann M. Catanese; Edward Lawrence Didion; Richard L. Charbono Jr.
11/565374	US	11/30/2006	Method and System for Providing Information to a Home System Regarding a Wireless Unit Roaming in a Visited System Robert Andrew Adamany; Richard L. Charbono; Edward Lawrence Didion; Ann M. Catanese
11/565405	US	11/30/2006	Method and System for Providing Information to a Home System Regarding a Wireless Unit Roaming in a Visited System Robert Andrew Adamany; Richard L. Charbono; Edward Lawrence Didion; Ann M. Catanese
11/589150	US	10/26/2006	SYSTEM AND METHOD FOR PROBABILISTIC QUALITY OF COMMUNICATION SERVICE DETERMINATION Joseph K. Cross

<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Inventors</u>
PCT/US2000/023607	WO	8/28/2000	A SYSTEM, APPARATUS AND METHOD FOR HOSTING AND ASSIGNING DOMAIN NAMES ON A WIDE AREA NETWORK LAM BRIAN; SHUSTER BRIAN MARK; PRICE MATTHEW; LEONG JOHNSON; JOHNSON DESMOND FORD
AU00780977 (AU200069429)	AU	4/28/2005 (8/28/2000)	A SYSTEM, APPARATUS AND METHOD FOR HOSTING AND ASSIGNING DOMAIN NAMES ON A WIDE AREA NETWORK Shuster, Brian Mark ; Leong, Johnson ; Price, Matthew ; Lam, Brian ; Johnson, Desmond Ford
CA2384063	CA	8/28/2000	A SYSTEM, APPARATUS AND METHOD FOR HOSTING AND ASSIGNING DOMAIN NAMES ON A WIDE AREA NETWORK LEONG JOHNSON; PRICE MATTHEW; SHUSTER BRIAN MARK; JOHNSON DESMOND FORD; LAM BRIAN
EP1212881 (EP00957871.7)	EP	11/23/2005 (8/28/2000)	A SYSTEM, APPARATUS AND METHOD FOR HOSTING AND ASSIGNING DOMAIN NAMES ON A WIDE AREA NETWORK LAM BRIAN; JOHNSON DESMOND FORD; LEONG JOHNSON; PRICE MATTHEW; SHUSTER BRIAN MARK

<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Inventors</u>
DE60024284.6 (DE60024284.6)	DE	11/23/2005 (8/28/2000)	A SYSTEM, APPARATUS AND METHOD FOR HOSTING AND ASSIGNING DOMAIN NAMES ON A WIDE AREA NETWORK LAM BRIAN; JOHNSON DESMOND FORD; LEONG JOHNSON; PRICE MATTHEW; SHUSTER BRIAN MARK
FR1212881 (FR00957871.7)	FR	11/23/2005 (8/28/2000)	A SYSTEM, APPARATUS AND METHOD FOR HOSTING AND ASSIGNING DOMAIN NAMES ON A WIDE AREA NETWORK LAM BRIAN; JOHNSON DESMOND FORD; LEONG JOHNSON; PRICE MATTHEW; SHUSTER BRIAN MARK
IL148449	IL	8/28/2000	A SYSTEM, APPARATUS AND METHOD FOR HOSTING AND ASSIGNING DOMAIN NAMES ON A WIDE AREA NETWORK LAM BRIAN; SHUSTER BRIAN MARK; PRICE MATTHEW; LEONG JOHNSON; JOHNSON DESMOND FORD
10/769449	US	1/29/2004	METHOD AND SYSTEM FOR REDIRECTING A REQUEST TO A SERVER SELECTED DOMAIN Brian Shuster; Johnson Leong; Desmond Ford Johnson; Matthew Price; Brian Lam

<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Inventors</u>
12/648936	US	12/29/2009	SYSTEM APPARATUS AND METHOD FOR HOSTING AND ASSIGNING DOMAIN NAMES ON A WIDE AREA NETWORK Shuster, Brian; Leong, Johnson; Price, Matthew; Lam, Brian; Johnson, Desmond F.
13/169173	US	6/27/2011	SYSTEMS, APPARATUS AND METHOD FOR HOSTING AND ASSIGNING DOMAIN NAMES ON A WIDE AREA NETWORK Brian Shuster; Desmond Ford Johnson; Matthew Price; Brian Lam; Johnson Leong
13/529407	US	6/21/2012	Systems, Apparatus and Method for Hosting and Assigning Domain Names on a Wide Area Network Brian Shuster; Johnson Leong; Matthew Price; Desmond Ford Johnson; Brian Lam
13/540824	US	7/3/2012	SYSTEMS, APPARATUS AND METHOD FOR HOSTING AND ASSIGNING DOMAIN NAMES ON A WIDE AREA NETWORK Brian Shuster; Johnson Leong; Matthew Price; Desmond Ford Johnson; Brian Lam
13/540826	US	7/3/2012	SYSTEMS, APPARATUS AND METHOD FOR HOSTING AND ASSIGNING DOMAIN NAMES ON A WIDE NETWORK Brian Shuster; Johnson Leong; Matthew Price; Desmond Ford Johnson; Brian Lam

<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Inventors</u>
13/540818	US	7/3/2012	SYSTEMS, APPARATUS AND METHOD FOR HOSTING AND ASSIGNING DOMAIN NAMES ON A WIDE AREA NETWORK Brian Shuster; Johnson Leong; Matthew Price; Desmond Ford Johnson; Brian Lam
PCT/US2001/024761	WO	8/8/2001	YSTEM AND METHOD FOR BROADBAND CAPACITY TRACKING JONES MARVIN; HORTON LYNN; SUTTON JASON
PCT/US2000/040479	WO	7/21/2000	IMPLEMENTATION OF THE CALLING NAME DELIVERY SERVICE THROUGH USE OF A LOCATION REGISTER IN A WIRELESS NETWORK Larry Scott Easley
DE10003534.5	DE	1/27/2000	Disposable container for heating and cooling liquids Inventorship not available
PCT/US2001/046283	WO	12/6/2001	CELLULAR/PCS MANAGEMENT SYSTEM AND METHOD Dannie E. Martin
CA2430996	CA	12/6/2001	CELLULAR/PCS MANAGEMENT SYSTEM AND METHOD Dannie E. Martin
EP01987263.9	EP	12/6/2001	CELLULAR/PCS MANAGEMENT SYSTEM AND METHOD Dannie E. Martin

<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Inventors</u>
6215797 (09/136706)	US	4/10/2001 (8/19/1998)	Methods and apparatus for providing quality of service guarantees in computer networks Ronald D. Fellman; Rene L. Cruz
6246702 (09/224577)	US	6/12/2001 (12/31/1998)	Methods and apparatus for providing quality-of-service guarantees in computer networks Ronald D. Fellman; Douglas A. Palmer; Rene L. Cruz
PCT/US1999/018984	WO	8/18/1999	METHODS AND APPARATUS FOR PROVIDING QUALITY-OF-SERVICE GUARANTEES IN COMPUTER NETWORKS Ronald D. Fellman; Douglas A. Palmer; Rene L. Cruz
EP1105988 (EP99943786.6)	EP	11/28/2012 (8/18/1999)	METHODS AND APPARATUS FOR PROVIDING QUALITY-OF-SERVICE GUARANTEES IN COMPUTER NETWORKS Ronald D. Fellman; Douglas A. Palmer; Rene L. Cruz
6751231 (09/761207)	US	6/15/2004 (1/16/2001)	Methods and apparatus for providing quality of service guarantees in computer networks Rene L. Cruz; Ronald D. Fellman
6661804 (09/764779)	US	12/9/2003 (1/17/2001)	Methods and apparatus for providing quality-of-service guarantees in computer networks Douglas A. Palmer; Rene L. Cruz; Ronald D. Fellman

<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Inventors</u>
60/289678	US	5/8/2001	Minimizing the effect of jitter upon the QOS operation of networked gateway devices G. J. Martin
PCT/US2002/014847	WO	5/8/2002	Minimizing Jitter in QoS Networked Gateway Devices MARTIN G J
CA2446766	CA	5/8/2002	Minimizing Jitter in QoS Networked Gateway Devices MARTIN G J
EP02736734.1	EP	5/8/2002	Minimizing the effect of jitter upon the quality of service operation of networked gateway devices MARTIN G J
10/688787	US	10/17/2003	Methods and apparatus for providing quality-of-service guarantees in computer networks Ronald D. Fellman; Douglas A. Palmer; Rene L. Cruz; Bart Schade
10/757031	US	1/13/2004	Minimizing the effect of jitter upon the quality of service operation of networked gateway devices Unable to verify
8891504 (13/646324)	US	11/18/2014 (10/5/2012)	Methods and apparatus for providing quality of service guarantees in computer networks Ronald D. Fellman; Douglas A. Palmer; Rene L. Cruz; Bart Schade

<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Inventors</u>
6175616 (08/963373)	US	1/16/2001 (10/20/1997)	METHOD AND APPARATUS FOR OBTAINING TELEPHONE STATUS OVER A NETWORK Elliott Light; Jon L. Roberts
6483900 (09/265656)	US	11/19/2002 (3/2/1999)	METHOD AND APPARATUS FOR OBTAINING TELEPHONE STATUS OVER A NETWORK Jon L. Roberts; Elliott D. Light
7280642 (11/123490)	US	10/9/2007 (5/6/2005)	Status monitoring system utilizing an RFID monitoring system Elliott D. Light; Jon L. Roberts
7356128 (11/182674)	US	4/8/2008 (7/15/2005)	METHOD AND APPARATUS FOR OBTAINING STATUS OF MONITORING DEVICES OVER A NETWORK Elliott D. Light; Jon L. Roberts
7499527 (11/280497)	US	3/3/2009 (11/16/2005)	System and method for determining the status of a telephone in a packet switched network Elliott D. Light; Jon L. Roberts
7460859 (11/344750)	US	12/2/2008 (2/1/2006)	System and method for obtaining a status of an authorization device over a network for administration of theatrical performances Elliott D. Light; Jon L. Roberts

<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Inventors</u>
7734018 (11/413887)	US	6/8/2010 (4/28/2006)	SYSTEM AND METHOD FOR ESTABLISHING A CALL BETWEEN A CALLING PARTY AND A CALLED PARTY OVER A WIRED NETWORK Elliott D. Light; Jon L. Roberts
7529350 (11/413888)	US	5/5/2009 (4/28/2006)	System and method for obtaining equipment status data over a network Elliott D. Light; Jon L. Roberts
7688952 (11/517663)	US	3/30/2010 (9/8/2006)	SYSTEM AND METHOD FOR OBTAINING EQUIPMENT STATUS DATA OVER A NETWORK Elliott D. Light; Jon L. Roberts
EP1405455 (EP01949483.0)	EP	2/2/2005 (7/10/2001)	METHOD AND TRANSCIVING DEVICE FOR RETRANSMITTING ERRONEOUS INFORMATION UNITS IN RADIO LINKS WANG YAN
DE60108792.5 (DE60108792.5)	DE	2/2/2005 (7/10/2001)	METHOD AND TRANSCIVING DEVICE FOR RETRANSMITTING ERRONEOUS INFORMATION UNITS IN RADIO LINKS WANG YAN
7200791 (10/483527)	US	4/3/2007 (7/10/2001)	METHOD AND TRANSCIVING DEVICE FOR RETRANSMITTING ERRONEOUS INFORMATION UNITS IN RADIO LINKS Yan Wang

<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Inventors</u>
BR0108903	BR	3/5/2001	METHOD OF TRANSMITTING SERVICE INFORMATION, AND RADIO SYSTEM Veijo Vänttinen
EP1262075 (EP01917136.2)	EP	7/14/2010 (3/5/2001)	Method of transmitting service information, and radio system Veijo Vänttinen
EP2237605 (EP10007195.0)	EP	8/24/2016 (3/5/2001)	Transmitting service information without establishing a connection Veijo Vänttinen
JP2001-566318	JP	3/5/2001	METHOD OF TRANSMITTING SERVICE INFORMATION, AND RADIO SYSTEM Veijo Vänttinen
SG91129 (SG200204977-3)	SG	8/31/2004 (3/5/2001)	METHOD OF TRANSMITTING SERVICE INFORMATION, AND RADIO SYSTEM Veijo Vänttinen
CA2277534	CA	7/13/1999	COMBINED XDSL AND VOICE LINE CARD WEIRICH ANDREAS; FEELEY MARK; BOOOCK JONATHAN; HJARTARSON JIM; DECZKY ANDREW
PCT/US2000/019013	WO	7/11/2000	METHOD AND APPARATUS FOR COMBINING VOICE LINE CARD AND XDSL LINE CARD FUNCTIONS DECZKY ANDREW; BOOOCK JONATHAN; FEELEY MARK; WEIRICH ANDREAS; HJARTARSON GUDMUNDUR JIM

<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Inventors</u>
PCT/US2000/018983	WO	7/12/2000	METHOD AND APPARATUS FOR COMBINING VOICE LINE CARD AND XDSL LINE CARD FUNCTIONS WEIRICH ANDREAS; DECZKY ANDREW; BOOCOCK JONATHAN; FEELEY MARK; HJARTARSON GUDMUNDUR JIM
AU770575 (AU60900/00)	AU	2/26/2004 (7/12/2000)	Method and apparatus for combining voice line card and xdsl line card functions FEELEY MARK; DECZKY ANDREW; HJARTARSON GUDMUNDUR JIM; WEIRICH ANDREAS; BOOCOCK JONATHAN
CA2383497 (CA2383497)	CA	10/12/2004 (7/12/2000)	METHOD AND APPARATUS FOR COMBINING VOICE LINE CARD AND XDSL LINE CARD FUNCTIONS WEIRICH ANDREAS; BOOCOCK JONATHAN; HJARTARSON GUDMUNDUR JIM; DECZKY ANDREW; FEELEY MARK
EP00947259.8	EP	7/12/2000	METHOD AND APPARATUS FOR COMBINING VOICE LINE CARD AND XDSL LINE CARD FUNCTIONS DECZKY ANDREW; FEELEY MARK; BOOCOCK JONATHAN; HJARTARSON GUDMUNDUR JIM; WEIRICH ANDREAS

<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Inventors</u>
JP2001-510225	JP	7/12/2000	METHOD AND APPARATUS FOR COMBINING VOICE LINE CARD AND XDSL LINE CARD FUNCTIONS DECZKY ANDREW; FEELEY MARK; BOOCOCK JONATHAN; HJARTARSON GUDMUNDUR JIM; WEIRICH ANDREAS

Assignor assigns to Assignee all of its rights to the inventions, invention disclosures, and discoveries in the assets listed above, together, with its 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.

Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to make available to Assignee all records regarding the Certain Assets.

The terms and conditions of this Assignment of Rights in Certain Assets 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 Rights in Certain Assets is executed on 12/11/18, 2018, to be effective as of 12/18, 2018.

ASSIGNOR:

INTELLECTUAL VENTURES ASSETS 105 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.

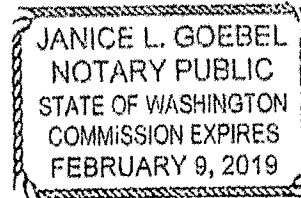
WITNESS my hand and official seal.

Signature Janice L. Goebel

(Seal)

Notary Public, State of Washington

My Commission expires: Feb. 09, 2019



ASSIGNEE:

Far North Patents, LLC

By: [Signature]

Name: RICHARD DELGADO

Title: MANAGER

STATE OF Texas)

COUNTY OF Dallas) ss.

On Dec 19, 2018, before me, Karla Martinez, Notary Public in and for said State, personally appeared Richard Delgado, 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 [Signature]

(Seal)

Notary Public, Karla Martinez

My Commission expires: 11-08-2022

