

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4869966

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
INTELLECTUAL VENTURES ASSETS 73 LLC	03/02/2018

RECEIVING PARTY DATA

Name:	LIBERTY PEAK VENTURES, LLC
Street Address:	1400 PRESTON ROAD
Internal Address:	SUITE 482
City:	PLANO
State/Country:	TEXAS
Postal Code:	75201

PROPERTY NUMBERS Total: 67

Property Type	Number
Patent Number:	6067532
Patent Number:	RE45295
Patent Number:	6345766
Patent Number:	6805287
Patent Number:	RE43157
Patent Number:	7746215
Patent Number:	8872619
Patent Number:	7239226
Patent Number:	9454752
Patent Number:	7249112
Patent Number:	7889052
Patent Number:	7268667
Patent Number:	7668750
Patent Number:	7268668
Patent Number:	7303120
Patent Number:	7121471
Patent Number:	7059531
Patent Number:	7360689
Patent Number:	8548927

PATENT

Property Type	Number
Patent Number:	7154375
Patent Number:	7639116
Patent Number:	7725427
Patent Number:	7493288
Patent Number:	7228155
Patent Number:	9024719
Patent Number:	8818907
Patent Number:	7705732
Patent Number:	7312707
Patent Number:	7988038
Patent Number:	8294552
Patent Number:	7814332
Patent Number:	8074889
Patent Number:	7506818
Patent Number:	7500616
Patent Number:	7637434
Patent Number:	7578448
Patent Number:	8284025
Patent Number:	8289136
Patent Number:	7690577
Patent Number:	7506819
Patent Number:	8279042
Patent Number:	7886157
Patent Number:	9129453
Patent Number:	RE45615
Patent Number:	8016201
Patent Number:	8066181
Patent Number:	RE43460
Patent Number:	7780091
Patent Number:	8635165
Patent Number:	9881294
Patent Number:	8009018
Patent Number:	RE45416
Patent Number:	9336634
Patent Number:	9886692
Application Number:	14559428
Application Number:	11160627
Application Number:	12206634

Property Type	Number
Application Number:	14049555
Application Number:	14688476
Application Number:	14703443
Application Number:	14798801
Application Number:	14846878
Application Number:	15148655
Application Number:	15257262
Application Number:	15496748
Application Number:	15874018
Application Number:	15863221

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	5109-VLPV_A-1
NAME OF SUBMITTER:	TAREK N. FAHMI
SIGNATURE:	/Tarek N. Fahmi/
DATE SIGNED:	03/16/2018

Total Attachments: 15

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ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt of which is hereby acknowledged, Intellectual Ventures Assets 73 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 Liberty Peak Ventures, LLC, a Texas limited liability company with an address at 1400 Preston Road, Suite 482, Plano, TX 75201 ("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 on Appendix 1 attached hereto (the "Patents");

(b) any future reissues, reexaminations, extensions, continuations, continuing prosecution application, 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.

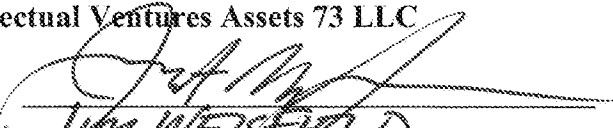
Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all future patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Assigned Patent Rights in the name of Assignee, 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 MARCH 2, 2018.

ASSIGNOR

Intellectual Ventures Assets 73 LLC

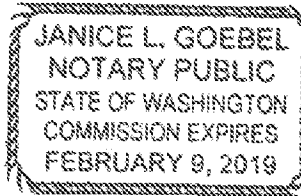
By: 
Name: JIM WESTFIELD
Title: AUTHORIZED PERSON

STATE OF Washington)
)ss.
COUNTY OF King)

On March 2, 2018, before me, Janice L. Goebel, Notary Public in and for said State, personally appeared Jim Weiskind, 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)
My Commission Expires February 09, 2019
Notary Public for and in the State of Washington



Liberty Peak Ventures, LLC

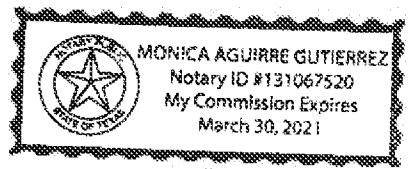
By: David Pridham
Name: David Pridham
Title: Chief Executive Officer

STATE OF Texas)
)ss.
COUNTY OF Dallas)

On March 14, 2018, before me, Monica Gutierrez, Notary Public in and for said State, personally appeared David Pridham, 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 Monica Gutierrez (Seal)
My Commission Expires March 30, 2021
Notary Public for and in the State of Texas



Appendix 1 to Exhibit A-1

<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Truncated List of Inventors</u>
6067532 (09/115398)	US	5/23/2000 (7/14/1998)	TICKET REDISTRIBUTION SYSTEM Lucas Gebb
TWI187440 (TW090115628)	TW	9/11/2003 (8/13/2001)	SYSTEM AND METHOD FOR INTEGRATING PUBLIC AND PRIVATE DATA STEITZ PHILIP W
KR10-0528653 (KR10-2002-7017883)	KR	11/15/2005 (6/28/2001)	SYSTEM AND METHOD FOR INTEGRATING PUBLIC AND PRIVATE DATA STEITZ PHILIP W
RE45295 (13/597906)	US	12/16/2014 (8/29/2012)	SYSTEM AND METHOD FOR INTEGRATING PUBLIC AND PRIVATE DATA Margaret C. Mitchell
14/559428	US	12/3/2014	SYSTEM AND METHOD FOR INTEGRATING PUBLIC AND PRIVATE DATA Margaret C. Mitchell
6345766 (08/510590)	US	2/12/2002 (8/2/1995)	METHODS AND APPARATUS FOR PROVIDING A PREPAID, REMOTE MEMORY CUSTOMER ACCOUNT FOR THE VISUALLY IMPAIRED John M. Taskett

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<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Truncated List of Inventors</u>
6805287 (10/242584)	US	10/19/2004 (9/12/2002)	SYSTEM AND METHOD FOR CONVERTING A STORED VALUE CARD TO A CREDIT CARD Fred Bishop
JP5443044 (JP2009-108440)	JP	12/27/2013 (4/27/2009)	SYSTEM AND METHOD FOR CONVERTING A STORED VALUE CARD TO A CREDIT CARD Fred Bishop
RE43157 (12/023834)	US	2/7/2012 (1/31/2008)	SYSTEM AND METHOD FOR REASSOCIATING AN ACCOUNT NUMBER TO ANOTHER TRANSACTION ACCOUNT Fred Bishop
7239226 (10/192488)	US	7/3/2007 (7/9/2002)	SYSTEM AND METHOD FOR PAYMENT USING RADIO FREQUENCY IDENTIFICATION IN CONTACT AND CONTACTLESS TRANSACTIONS Michael J. Berardi
CNZL02813783.3 (CN02813783.3)	CN	2/20/2008 (7/10/2002)	System and method for payment using radio frequency identifcation contact and contactless transactions BERARDI M J

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<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Truncated List of Inventors</u>
9454752 (10/318432)	US	9/27/2016 (12/13/2002)	System and method for selecting load options for use in radio frequency identification in contact and contactless transactions Michael J. Berardi
7249112 (10/318480)	US	7/24/2007 (12/13/2002)	SYSTEM AND METHOD FOR ASSIGNING A FUNDING SOURCE FOR A RADIO FREQUENCY IDENTIFICATION DEVICE Berardi, Michael J.
7889052 (10/340352)	US	2/15/2011 (1/10/2003)	Authorizing Payment Subsequent to RF Transactions Michael J. Berardi
7268667 (10/708550)	US	9/11/2007 (3/10/2004)	SYSTEMS AND METHODS FOR PROVIDING A RF TRANSACTION DEVICE OPERABLE TO STORE MULTIPLE DISTINCT ACCOUNTS Beenau, Blayn W.
7668750 (10/708545)	US	2/23/2010 (3/10/2004)	SYSTEM AND METHOD FOR SECURING RF TRANSACTIONS USING A RADIO FREQUENCY IDENTIFICATION DEVICE INCLUDING A TRANSACTIONS COUNTER David S. Bonalle

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<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Truncated List of Inventors</u>
7268668 (10/708585)	US	9/11/2007 (3/12/2004)	SYSTEMS AND METHODS FOR MANAGING MULTIPLE ACCOUNTS ON A RF TRANSACTION INSTRUMENT Beenau, Blayn W.;
7303120 (10/708822)	US	12/4/2007 (3/26/2004)	SYSTEM FOR BIOMETRIC SECURITY USING A FOB Blayn Beenau
7121471 (10/708830)	US	10/17/2006 (3/26/2004)	METHOD AND SYSTEM FOR DNA RECOGNITION BIOMETRICS ON A FOB Beenau, Blayn W.
7059531 (10/708833)	US	6/13/2006 (3/26/2004)	METHOD AND SYSTEM FOR SMELLPRINT RECOGNITION BIOMETRICS ON A FOB Beenau, Blayn W.
7360689 (10/708837)	US	4/22/2008 (3/26/2004)	METHOD AND SYSTEM FOR PROFFERING MULTIPLE BIOMETRICS FOR USE WITH A FOB Beenau, Blayn W.
8548927 (10/708840)	US	10/1/2013 (3/26/2004)	BIOMETRIC REGISTRATION FOR FACILITATING AN RF TRANSACTION Beenau, Blayn W.
7154375 (10/708841)	US	12/26/2006 (3/26/2004)	BIOMETRIC SAFEGUARD METHOD WITH A FOB Beenau, Blayn W.

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<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Truncated List of Inventors</u>
7639116 (10/876822)	US	12/29/2009 (6/24/2004)	CONVERTING ACCOUNT DATA ASSOCIATED WITH A RADIO FREQUENCY DEVICE Peter Saunders
7725427 (10/711613)	US	5/25/2010 (9/28/2004)	RECURRENT BILLING MAINTENANCE SYSTEM FOR USE WITH RADIO FREQUENCY PAYMENT DEVICES Fred Bishop
7493288 (10/711965)	US	2/17/2009 (10/15/2004)	RF PAYMENT VIA A MOBILE DEVICE Peter D. Saunders
7228155 (10/711970)	US	6/5/2007 (10/15/2004)	SYSTEM AND METHOD FOR REMOTELY INITIALIZING A RF TRANSACTION Saunders, Peter D.
9024719 (10/711964)	US	5/5/2015 (10/15/2004)	RF TRANSACTION SYSTEM AND METHOD FOR STORING USER PERSONAL DATA Saunders, Peter D.
7705732 (10/905005)	US	4/27/2010 (12/9/2004)	AUTHENTICATING AN RF TRANSACTION USING A TRANSACTION COUNTER Fred Bishop

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<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Truncated List of Inventors</u>
7312707 (10/905006)	US	12/25/2007 (12/9/2004)	SYSTEM AND METHOD FOR AUTHENTICATING A RF TRANSACTION USING A TRANSACTION ACCOUNT ROUTING NUMBER Fred Bishop
8818907 (10/905078)	US	8/26/2014 (12/14/2004)	LIMITING ACCESS TO ACCOUNT INFORMATION DURING A RADIO FREQUENCY TRANSACTION David S. Bonalle
11/160627	US	6/30/2005	Using a secondary identifier to select a data set DAVID ARMES
7746215 (11/163951)	US	6/29/2010 (11/4/2005)	SYSTEM AND METHOD FOR A WIRELESS FR READER GRID BISHOP, FRED
CN201510232780.7	CN	3/1/2006	SYSTEMS AND METHODS FOR NON-TRADITIONAL PAYMENT BISHOP FRED

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<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Truncated List of Inventors</u>
JP4777917 (JP2007-026166)	JP	7/8/2011 (2/5/2007)	SYSTEM AND METHOD FOR INCENTING PAYMENT USING RADIO FREQUENCY IDENTIFICATION IN CONTACT AND CONTACTLESS TRANSACTIONS LOYALTY POINTS FOR ACQUISITIONS ISENBERG SUSAN E
8872619 (11/743907)	US	10/28/2014 (5/3/2007)	SECURING A TRANSACTION BETWEEN A TRANSPONDER AND A READER Michael J. Berardi
7988038 (11/850796)	US	8/2/2011 (9/6/2007)	SYSTEM FOR BIOMETRIC SECURITY USING A FOB Beenau, Blayn W.
8294552 (11/850823)	US	10/23/2012 (9/6/2007)	Facial Scan Biometrics on a Payment Device Beenau, Blayn W.
7814332 (11/850834)	US	10/12/2010 (9/6/2007)	VOICEPRINT BIOMETRICS ON A PAYMENT DEVICE Beenau, Blayn W.
8074889 (11/850812)	US	12/13/2011 (9/6/2007)	SYSTEM FOR BIOMETRIC SECURITY USING A FOB Beenau, Blayn W.

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<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Truncated List of Inventors</u>
7506818 (11/851533)	US	3/24/2009 (9/7/2007)	BIOMETRICS FOR RADIO FREQUENCY PAYMENT TRANSACTIONS Beenau, Blayn W.
7500616 (11/851556)	US	3/10/2009 (9/7/2007)	AUTHENTICATING FINGERPRINTS FOR RADIO FREQUENCY PAYMENT TRANSACTIONS Beenau, Blayn W.
7637434 (11/851580)	US	12/29/2009 (9/7/2007)	REGISTERING A BIOMETRIC FOR RADIO FREQUENCY TRANSACTIONS Beenau, Blayn W.
7578448 (11/851623)	US	8/25/2009 (9/7/2007)	AUTHORIZING RADIO FREQUENCY TRANSACTIONS USING A KEYSTROKE SCAN Beenau, Blayn W.
8279042 (11/858182)	US	10/2/2012 (9/20/2007)	IRIS SCAN BIOMETRICS ON A PAYMENT DEVICE Beenau, Blayn W.
8284025 (11/858194)	US	10/9/2012 (9/20/2007)	METHOD AND SYSTEM FOR AUDITORY RECOGNITION BIOMETRICS ON A FOB Beenau, Blayn W.
8289136 (11/858375)	US	10/16/2012 (9/20/2007)	Hand Geometry Biometrics on a Payment Device Beenau, Blayn W.;

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<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Truncated List of Inventors</u>
7690577 (11/858393)	US	4/6/2010 (9/20/2007)	REGISTERING A BIOMETRIC FOR RADIO FREQUENCY TRANSACTIONS Beenau, Blayn W.
7506819 (11/858958)	US	3/24/2009 (9/21/2007)	BIOMETRIC SECURITY USING A FOB Beenau, Blayn W.
7886157 (12/023442)	US	2/8/2011 (1/31/2008)	HAND GEOMETRY RECOGNITION BIOMETRICS ON A FOB Peter D Saunders
12/206634	US	9/8/2008	TRACKING RF TRANSACTION ACTIVITY USING A TRANSACTION DEVICE IDENTIFIER Peter D. Saunders
RE45615 (12/249792)	US	7/14/2015 (10/10/2008)	RF TRANSACTION DEVICE DAVID S. BONALLE
8066181 (12/256310)	US	11/29/2011 (10/22/2008)	RF TRANSACTION AUTHENTICATION USING A RANDOM NUMBER Fred Bishop
9129453 (12/263271)	US	9/8/2015 (10/31/2008)	DNA SAMPLE DATA IN A TRANSPONDER TRANSACTION Blayn W. Beenau

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<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Truncated List of Inventors</u>
8016201 (12/329597)	US	9/13/2011 (12/7/2008)	AUTHORIZED SAMPLE RECEIVER Blayn W. Beenau
8635165 (12/336838)	US	1/21/2014 (12/17/2008)	BIOMETRIC AUTHORIZATION OF AN RF TRANSACTION Blayn W. Beenau
9881294 (12/349825)	US	1/30/2018 (1/7/2009)	RF PAYMENT VIA A MOBILE DEVICE Fred Bishop
RE43460 (12/366034)	US	6/12/2012 (2/5/2009)	PUBLIC/PRIVATE DUAL CARD SYSTEM AND METHOD David S. Bonalle
7780091 (12/388280)	US	8/24/2010 (2/18/2009)	REGISTERING A BIOMETRIC FOR RADIO FREQUENCY TRANSACTIONS Carl Larkin
JP5643854 (JP2013-020176)	JP	11/7/2014 (2/5/2013)	SYSTEM AND METHOD FOR INCENTING PAYMENT USING RADIO FREQUENCY IDENTIFICATION IN CONTACT AND CONTACTLESS TRANSACTIONS HOOD MATTHEW C

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<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Truncated List of Inventors</u>
8009018 (12/768610)	US	8/30/2011 (4/27/2010)	RF TRANSACTIONS USING A WIRELESS READER GRID Fred Bishop
RE45416 (13/524685)	US	3/17/2015 (6/15/2012)	Processing an rf transaction using a routing number Fred Bishop
9336634 (13/623998)	US	5/10/2016 (9/21/2012)	HAND GEOMETRY BIOMETRICS ON A PAYMENT DEVICE Blayn W. Beenau
14/049555	US	10/9/2013	FUNDING A RADIO FREQUENCY DEVICE TRANSACTION Peter Saunders
9886692 (14/524608)	US	2/6/2018 (10/27/2014)	SECURING A TRANSACTION BETWEEN A TRANSPONDER AND A READER Michael J. Berardi
14/688476	US	4/16/2015	AUTHORIZING RADIO FREQUENCY TRANSACTIONS USING A VASCULAR SCAN BLAYN W. BEENAU
14/703443	US	5/4/2015	RF TRANSACTION SYSTEM AND METHOD FOR STORING USER PERSONAL DATA Peter D. Saunders

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<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Truncated List of Inventors</u>
14/798801	US	7/14/2015	RF TRANSACTION SYSTEM AND METHOD FOR STORING USER PERSONAL DATA Peter D. Saunders
14/846878	US	9/7/2015	DNA SAMPLE DATA IN A TRANSPONDER TRANSACTION Blayn Beenau
15/148655	US	5/6/2016	HAND GEOMETRY BIOMETRICS ON A PAYMENT DEVICE Blayn Beenau
15/257262	US	9/6/2016	SYSTEM AND METHOD FOR SELECTING LOAD OPTIONS FOR USE IN RADIO FREQUENCY IDENTIFICATION IN CONTACT AND CONTACTLESS TRANSACTIONS Michael Berardi
15/496748	US	4/25/2017	AUTHORIZING RADIO REQUENCY TRANSACTIONS USING A VASCULAR SCAN BLAYN W. BEENAU
15/863221	US	1/5/2017	RF PAYMENT VIA A MOBILE DEVICE Fred Bishop

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<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Truncated List of Inventors</u>
15/874018	US	1/18/2018	SECURING A TRANSACTION BETWEEN A TRANSPONDER AND A READER Michael Berardi