

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4275038

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

CONVEYING PARTY DATA

Name	Execution Date
MOBITV, INC.	02/03/2017

RECEIVING PARTY DATA

Name:	ALLY BANK
Street Address:	300 PARK AVENUE
Internal Address:	4TH FLOOR
City:	NEW YORK
State/Country:	D.C.
Postal Code:	10022

PROPERTY NUMBERS Total: 117

Property Type	Number
Application Number:	29485906
Application Number:	29511097
Application Number:	12882061
Application Number:	15340917
Application Number:	11542620
Application Number:	11542683
Application Number:	11542616
Application Number:	13425925
Application Number:	13663399
Application Number:	14277120
Application Number:	11859688
Application Number:	13973178
Application Number:	14689029
Application Number:	11626340
Application Number:	12101883
Application Number:	14022103
Application Number:	14454569
Application Number:	12101895
Application Number:	13118244

PATENT

Property Type	Number
Application Number:	13468788
Application Number:	13935174
Application Number:	12101893
Application Number:	12345534
Application Number:	14298491
Application Number:	15411455
Application Number:	12101913
Application Number:	13796511
Application Number:	12101905
Application Number:	12101914
Application Number:	12101889
Application Number:	13530310
Application Number:	12334384
Application Number:	14489442
Application Number:	12353922
Application Number:	12371491
Application Number:	12371513
Application Number:	12563935
Application Number:	12635574
Application Number:	14639554
Application Number:	12708350
Application Number:	14522106
Application Number:	13053093
Application Number:	12794572
Application Number:	13220436
Application Number:	14553040
Application Number:	13220435
Application Number:	13223157
Application Number:	12962434
Application Number:	13943829
Application Number:	13091050
Application Number:	12941908
Application Number:	13227367
Application Number:	14495815
Application Number:	15188951
Application Number:	13074989
Application Number:	14280269
Application Number:	13111151

Property Type	Number
Application Number:	13107619
Application Number:	14635877
Application Number:	13090959
Application Number:	13362674
Application Number:	13232870
Application Number:	13232888
Application Number:	13171367
Application Number:	11439543
Application Number:	13232909
Application Number:	11255310
Application Number:	10241876
Application Number:	11415748
Application Number:	10342113
Application Number:	10345593
Application Number:	10347138
Application Number:	10345050
Application Number:	10345886
Application Number:	10360172
Application Number:	10360952
Application Number:	14022166
Application Number:	15288828
Application Number:	13232913
Application Number:	13405824
Application Number:	13308062
Application Number:	13399377
Application Number:	13403552
Application Number:	13454332
Application Number:	13457608
Application Number:	13454606
Application Number:	15340925
Application Number:	13457906
Application Number:	15376547
Application Number:	13535870
Application Number:	14576176
Application Number:	61639689
Application Number:	13661308
Application Number:	13558545
Application Number:	15176019

Property Type	Number
Application Number:	13625262
Application Number:	13646520
Application Number:	13591493
Application Number:	14306221
Application Number:	13674430
Application Number:	14454535
Application Number:	13661294
Application Number:	14503357
Application Number:	13752533
Application Number:	13752540
Application Number:	13749915
Application Number:	13749932
Application Number:	13953482
Application Number:	14491950
Application Number:	14515476
Application Number:	14506515
Application Number:	14625548
Application Number:	14613916
Application Number:	14642814
Application Number:	14730211
Application Number:	15338254
Application Number:	14929497

CORRESPONDENCE DATA

Fax Number: (800)494-7512

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 2: NATIONAL CORPORATE RESEARCH, LTD

Address Line 4: WASHINGTON, D.C. 20005

ATTORNEY DOCKET NUMBER:	F168344
NAME OF SUBMITTER:	ROBIN DUNN
SIGNATURE:	/Robin Dunn/
DATE SIGNED:	02/15/2017

Total Attachments: 17
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INTELLECTUAL PROPERTY SECURITY AGREEMENT

THIS INTELLECTUAL PROPERTY SECURITY AGREEMENT is entered into as of February 3, 2017 by and between ALLY BANK ("*Bank*") and MobiTV, Inc., a Delaware corporation ("*Grantor*").

RECITALS

A. Bank has agreed to make certain advances of money and to extend certain financial accommodation to Grantor (the "Loans") in the amounts and manner set forth in that certain Loan and Security Agreement by and between Bank and Grantor dated of even date herewith (as the same may be amended, modified or supplemented from time to time, the "Loan Agreement"; capitalized terms used herein are used as defined in the Loan Agreement).

B. Extension of credit by the Bank pursuant to the Loan Agreement is subject to the condition, among others, that Grantor shall grant to Bank a security interest in certain Copyrights, Trademarks and Patents to secure the obligations of Grantor under the Loan Agreement.

C. Pursuant to the terms of the Loan Agreement, Grantor has granted to Bank a security interest in all of Grantor's right, title and interest, whether presently existing or hereafter acquired, in, to and under all of the Collateral.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound, as collateral security for the prompt and complete payment when due of its obligations under the Loan Agreement and all other agreements now existing or hereafter arising between Grantor and Bank, Grantor hereby represents, warrants, covenants and agrees as follows:

AGREEMENT

To secure all of its present and future indebtedness, liabilities and obligations under the Loan Agreement and under any other agreement now existing or hereafter arising between Bank and Grantor, Grantor grants and pledges to Bank a security interest in all of Grantor's right, title and interest in, to and under its Intellectual Property (including without limitation those Copyrights, Patents and Trademarks listed on Exhibits A, B and C hereto), and including without limitation all proceeds thereof (such as, by way of example but not by way of limitation, license royalties and proceeds of infringement suits), the right to sue for past, present and future infringements, all rights corresponding thereto throughout the world and all re-issues, divisions continuations, renewals, extensions and continuations-in-part thereof (collectively, "Intellectual Property Collateral").

This security interest is granted in conjunction with the security interest granted to Bank under the Loan Agreement. The rights and remedies of Bank with respect to the security interest granted hereby are in addition to those set forth in the Loan Agreement and the other Loan

Documents, and those which are now or hereafter available to Bank as a matter of law or equity. Each right, power and remedy of Bank provided for herein or in the Loan Agreement or any of the Loan Documents, or now or hereafter existing at law or in equity shall be cumulative and concurrent and shall be in addition to every right, power or remedy provided for herein and the exercise by Bank of any one or more of the rights, powers or remedies provided for in this Intellectual Property Security Agreement, the Loan Agreement or any of the other Loan Documents, or now or hereafter existing at law or in equity, shall not preclude the simultaneous or later exercise by any person, including Bank, of any or all other rights, powers or remedies.

Grantor represents and warrants that Exhibits A, B, and C attached hereto set forth any and all intellectual property rights of Grantor which are registered with or subject to an application filed with either the United States Patent and Trademark Office or the United States Copyright Office, as applicable.

This Intellectual Property Security Agreement shall terminate upon the later to occur on the full, complete and final payment of the Obligations (other than contingent indemnification obligations) and the termination of Bank's commitments under the Loan Agreement.

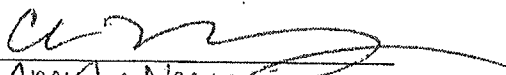
SIGNATURE PAGE FOLLOWS

IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

Grantor:

MOBITV, INC.

By


Name Charlie Noonan
Title CEO & Chairman

Address of Grantor:

6425 Christie Avenue, 5th Floor
Emeryville, California 94608

Bank:

ALLY BANK

By _____
Name _____
Title _____

Address of Bank:

300 Park Avenue, 4th Floor
New York, New York 10022

[Signature Page--Intellectual Property Security Agreement (Parent)]

IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

Grantor:

MOBITV, INC.


By _____
Name _____
Title _____

Address of Grantor:

6425 Christie Avenue, 5th Floor
Emeryville, California 94608

Bank:

ALLY BANK

By 
Name BRIAN BARANASKAS
Title AUTHORIZED SIGNATORY

Address of Bank:

300 Park Avenue, 4th Floor
New York, New York 10022

[Signature Page—Intellectual Property Security Agreement (Parent)]

EXHIBIT A

COPYRIGHTS

Description	Registration Number	Registration Date
Far Reach computer program	TXu 1-344-217	2007-04-10
MobiRadio_server	TXu 1-339-608	2007-04-04
MobiRadio1 client	TXu 1-342-585	2007-04-04

EXHIBIT B

PATENTS

Description	Registration OR Serial Number	Registration OR Filing Date	
MOBID001	CONNECTING DONGLE	29/485,906	Mar 24, 2014
MOBID001EU	CONNECTING DONGLE	002542183	Sep 22, 2014
MOBID002	TEXTURED DONGLE	29/511,097	Dec 5, 2014
MOBIP002C1US	METHODS AND APPARATUS FOR IMPLEMENTING DYNAMIC PROGRAM GUIDES ON MOBILE DEVICES	12/882,061	Sep 14, 2010
MOBIP002C2	METHODS AND APPARATUS FOR IMPLEMENTING DYNAMIC PROGRAM GUIDES ON MOBILE DEVICES	15/340,917	Nov 1, 2016
MOBIP002US	METHODS AND APPARATUS FOR IMPLEMENTING DYNAMIC PROGRAM GUIDES ON MOBILE DEVICES	11/542,620	Oct 2, 2006
MOBIP003US	PROXY OPERATIONS ON CLIENT DEVICES	11/542,683	Oct 2, 2006
MOBIP004US	INTELLIGENT PROGRAM GUIDE TIME SLOT SELECTION	11/542,616	Oct 2, 2006
MOBIP005C1	METHODS AND APPARATUS FOR PROVIDING MEDIA ON MOBILE DEVICES	13/425,925	Mar 21, 2012
MOBIP005C2	METHODS AND APPARATUS FOR PROVIDING MEDIA ON MOBILE DEVICES	13/663,399	Oct 29, 2012
MOBIP005C3	METHODS AND APPARATUS FOR PROVIDING MEDIA ON MOBILE DEVICES	14/277,120	May 14, 2014
MOBIP005US	METHODS AND APPARATUS FOR PROVIDING MEDIA ON MOBILE DEVICES	11/859,688	Sep 21, 2007
MOBIP006C1	KEY FRAME DETECTION AND SYNCHRONIZATION	13/973,178	Aug 22, 2013
MOBIP006C2	KEY FRAME DETECTION AND SYNCHRONIZATION	14/689,029	Apr 16, 2015

MOBIP006US	KEY FRAME DETECTION AND SYNCHRONIZATION	11/626,340	Jan 23, 2007
MOBIP010CN	A MUTLI-TIERED CACHING MECHANISM FOR THE STORAGE AND RETRIEVAL OF CONTENT MULTIP...	03804105,7	Jan 16, 2003
MOBIP012GB	MOSAIC VIDEO CONTENT SELECTION MECHANISM	1009235.1	Nov 24, 2008
MOBIP013GB	REAL-TIME MOST WATCHED GUIDE ORDERING AND GENERATION	1008879.7	Nov 24, 2008
MOBIP016GB	DYNAMIC ADVERTISEMENT STREAM REPLACEMENT	1016996.9	Apr 10, 2009
MOBIP016US	DYNAMIC ADVERTISEMENT STREAM REPLACEMENT	12/101,883	Apr 11, 2008
MOBIP018C1	MODIFICATION OF LIVE STREAMS	14/022,103	Sep 9, 2013
MOBIP018C2	MODIFICATION OF LIVE STREAMS	14/454,569	Aug 7, 2014
MOBIP018US	MODIFICATION OF LIVE STREAMS	12/101,895	Apr 11, 2008
MOBIP020C1US	FAST SETUP RESPONSE PREDICTION	13/118,244	May 27, 2011
MOBIP020C2	FAST SETUP RESPONSE PREDICTION	13/468,788	May 10, 2012
MOBIP020C3	FAST SETUP RESPONSE PREDICTION	13/935,174	Jul 3, 2013
MOBIP020US	FAST SETUP RESPONSE PREDICTION	12/101,893	Apr 11, 2008
MOBIP022C1US	CONTENT SERVER MEDIA STREAM MANAGEMENT	12/345,534	Dec 29, 2008
MOBIP022C2	CONTENT SERVER MEDIA STREAM MANAGEMENT	14/298,491	Jun 6, 2014
MOBIP022C3	CONTENT SERVER MEDIA STREAM MANAGEMENT	15/411,455	Jan 20, 2017
MOBIP022US	CONTENT SERVER MEDIA STREAM MANAGEMENT	12/101,913	Apr 11, 2008
MOBIP023C1	NETWORK OPTIMIZED DISTRIBUTION	13/796,511	Mar 12, 2013
MOBIP023US	NETWORK OPTIMIZED DISTRIBUTION	12/101,905	Apr 11, 2008
MOBIP025US	CLIENT CAPABILITY ADJUSTMENT	12/101,914	Apr 11, 2008

MOBIP026US	DISTRIBUTED AND SCALABLE CONTENT STREAMING ARCHITECTURE	12/101,889	Apr 11, 2008
MOBIP031C1	SEARCH SYSTEM USING MEDIA METADATA TRACKS	13/530,310	Jun 22, 2012
MOBIP034US	EVENT BASED INTERACTIVE ANIMATION	12/334,384	Dec 12, 2008
MOBIP036C1	DISTRIBUTED SCHEDULING OF MEDIA CHANNEL PLAYOUT	14/489,442	Sep 17, 2014
MOBIP036US	DISTRIBUTED SCHEDULING OF MEDIA CHANNEL PLAYOUT	12/353,922	Jan 14, 2009
MOBIP037US	SYSTEM FOR AUTOMATIC MANAGEMENT OF APPLICATIONS ON REMOTE DEVICES	12/371,491	Feb 13, 2009
MOBIP039US	FUNCTIONAL PRESENTATION LAYER IN A LIGHTWEIGHT CLIENT ARCHITECTURE	12/371,513	Feb 13, 2009
MOBIP042DE	IMPLICIT MECHANISM FOR DETERMINING USER RESPONSE TO MEDIA	112010003731.0	Sep 21, 2010
MOBIP042GB	IMPLICIT MECHANISM FOR DETERMINING USER RESPONSE TO MEDIA	1203176.1	Sep 21, 2010
MOBIP042US	IMPLICIT MECHANISM FOR DETERMINING USER RESPONSE TO MEDIA	12/563,935	Sep 21, 2009
MOBIP043GB	DISTRIBUTED CONTRIBUTION OF DISPARATE INTERACTIVE ELEMENTS	1208776.3	Dec 8, 2010
MOBIP043US	DISTRIBUTED CONTRIBUTION OF DISPARATE INTERACTIVE ELEMENTS	12/635,574	Dec 10, 2009
MOBIP044GB	DATA MEASUREMENT AND FEEDBACK MECHANISM USING AN APPLICATION FRAMEWORK	1211394.0	Dec 8, 2010
MOBIP047C1	RETRIEVAL AND DISPLAY OF RELATED CONTENT USING TEXT STREAM DATA FEEDS	14/639,554	Mar 5, 2015

MOBIP047US	RETRIEVAL AND DISPLAY OF RELATED CONTENT USING TEXT STREAM DATA FEEDS	12/708,350	Feb 18, 2010
MOBIP048C1	TILE BASED MEDIA CONTENT SELECTION	14/522,106	Oct 23, 2014
MOBIP048GB	TILE BASED MEDIA CONTENT SELECTION	1218207.7	Mar 21, 2011
MOBIP048US	TILE BASED MEDIA CONTENT SELECTION	13/053,093	Mar 21, 2011
MOBIP050US	FRAGMENTED FILE STRUCTURE FOR LIVE MEDIA STREAM DELIVERY	12/794,572	Jun 4, 2010
MOBIP052DE	USER AND DEVICE AUTHENTICATION FOR MEDIA SERVICES	112011102878.4	Aug 29, 2011
MOBIP052GB	USER AND DEVICE AUTHENTICATION FOR MEDIA SERVICES	1305423.4	Aug 29, 2011
MOBIP052US	USER AND DEVICE AUTHENTICATION FOR MEDIA SERVICES	13/220,436	Aug 29, 2011
MOBIP053C1	MEDIA RIGHTS MANAGEMENT ON MULTIPLE DEVICES	14/553,040	Nov 25, 2014
MOBIP053US	MEDIA RIGHTS MANAGEMENT ON MULTIPLE DEVICES	13/220,435	Aug 29, 2011
MOBIP056US	USER BASED ELECTRONIC PROGRAM GUIDES	13/223,157	Aug 31, 2011
MOBIP057US	LOCATION AWARE TRAVEL MEDIA	12/962,434	Dec 7, 2010
MOBIP058C1	METHODS AND APPARATUS FOR BROADCAST AND MULTICAST/UNICAST TRANSITION	13/943,829	Jul 17, 2013
MOBIP058DE	METHODS AND APPARATUS FOR BROADCAST AND MULTICAST/UNICAST TRANSITION	112012001769.2	Apr 12, 2012
MOBIP058GB	METHODS AND APPARATUS FOR BROADCAST AND MULTICAST/UNICAST TRANSITION	1319805.6	Apr 12, 2012

MOBIP058US	METHODS AND APPARATUS FOR BROADCAST AND MULTICAST/UNICAST TRANSITION	13/091,050	Apr 20, 2011
MOBIP059US	NON-INTRUSIVE ADVERTISEMENT PRESENTATION	12/941,908	Nov 8, 2010
MOBIP061US	MEDIA CONVERGENCE PLATFORM	13/227,367	Sep 7, 2011
MOBIP063C1	LOCATION BASED ACCESS CONTROL FOR CONTENT DELIVERY NETWORK RESOURCES	14/495,815	Sep 24, 2014
MOBIP063C2	LOCATION BASED ACCESS CONTROL FOR CONTENT DELIVERY NETWORK RESOURCES	15/188,951	Jun 21, 2016
MOBIP063US	LOCATION BASED ACCESS CONTROL FOR CONTENT DELIVERY NETWORK RESOURCES	13/074,989	Mar 29, 2011
MOBIP065C1	CONTEXTUALLY AWARE CLIENT BUFFER THRESHOLDS	14/280,269	May 16, 2014
MOBIP065DE	CONTEXTUALLY AWARE CLIENT BUFFER THRESHOLDS	112012002159.2	May 4, 2012
MOBIP065GB	CONTEXTUALLY AWARE CLIENT BUFFER THRESHOLDS	1322070.2	May 4, 2012
MOBIP065US	CONTEXTUALLY AWARE CLIENT BUFFER THRESHOLDS	13/111,151	May 19, 2011
MOBIP067US	METHODS AND APPARATUS FOR DEVICE BASED PREVENTION OF KINETOSIS	13/107,619	May 13, 2011
MOBIP068C1	REAL-TIME PROCESSING CAPABILITY BASED QUALITY ADAPTATION	14/635,877	Mar 2, 2015
MOBIP068DE	REAL-TIME PROCESSING CAPABILITY BASED QUALITY ADAPTATION	112012001770.6	Apr 13, 2012
MOBIP068GB	REAL-TIME PROCESSING CAPABILITY BASED QUALITY ADAPTATION	1319806.4	Apr 13, 2012









MOBIP068US	REAL-TIME PROCESSING CAPABILITY BASED QUALITY ADAPTATION	13/090,959	Apr 20, 2011
MOBIP069	LIVE MEDIA CONTENT DISCOVERY AND MANAGEMENT	13/362,674	Jan 31, 2012
MOBIP070US	DISTRIBUTED SCALABLE ENCODER RESOURCES FOR LIVE STREAMS	13/232,870	Sep 14, 2011
MOBIP072US	LOCALIZED REDUNDANCY FOR FRAGMENT PROCESSING	13/232,888	Sep 14, 2011
MOBIP074C1U S	SYSTEM AND METHOD FOR LOCATION BASED INTERACTION WITH A DEVICE	13/171,367	Jun 28, 2011
MOBIP074US	SYSTEM AND METHOD FOR LOCATION BASED INTERACTION WITH A DEVICE	11/439,543	May 24, 2006
MOBIP075US	INTELLIGENT DEVICE MEDIA STREAM CACHING	13/232,909	Sep 14, 2011
MOBIP076C1U S	TRANSFORMATION SYSTEM AND METHOD TO INCREASE THE LEMPEL-ZIV COMPRESSIBILITY OF I...	11/255,310	Oct 21, 2005
MOBIP076US	TRANSFORMATION SYSTEM AND METHOD TO INCREASE THE LEMPEL-ZIV COMPRESSIBILITY OF I...	10/241,876	Sep 12, 2002
MOBIP077C1U S	EFFICIENT MULTI- PROTOCOL SOFTWARE ARCHITECTURE WITH SHARED RESOURCES FOR DIFFERE...	11/415,748	May 2, 2006
MOBIP077US	METHOD AND SYSTEM OF PERFORMING TRANSACTIONS USING SHARED RESOURCES AND DIFFEREN...	10/342,113	Jan 14, 2003
MOBIP078US	SYSTEM AND METHOD FOR STORAGE AND RETRIEVAL OF ARBITRARY CONTENT AND APPLICATION...	10/345,593	Jan 16, 2003

MOBIP080US	METHOD FOR ISOLATING AND PROTECTING SOFTWARE COMPONENTS TO INCREASE RELIABILITY ...	10/347,138	Jan 17, 2003
MOBIP081US	SYSTEM AND METHOD FOR DYNAMICALLY DETERMINING NOTIFICATION BEHAVIOR OF A MONITOR...	10/345,050	Jan 15, 2003
MOBIP082US	MULTI-TIERED CACHING MECHANISM FOR THE STORAGE AND RETRIEVAL OF CONTENT MULTIPLE...	10/345,886	Jan 16, 2003
MOBIP083US	PLUG-IN API FOR MODULAR NETWORK PROCESSING	10/360,172	Feb 7, 2003
MOBIP084US	PLUG-IN API FOR PROTOCOL AND PAYLOAD TRANSFORMATION	10/360,952	Feb 7, 2003
MOBIP085C1	FRAGMENT SERVER DIRECTED DEVICE FRAGMENT CACHING	14/022,166	Sep 9, 2013
MOBIP085C2	FRAGMENT SERVER DIRECTED DEVICE FRAGMENT CACHING	15/288,828	Oct 7, 2016
MOBIP085US	FRAGMENT SERVER DIRECTED DEVICE FRAGMENT CACHING	13/232,913	Sep 14, 2011
MOBIP086	ENHANCED STARTUP AND CHANNEL CHANGE FOR FRAGMENTED MEDIA STREAM DELIVERY	13/405,824	Feb 27, 2012
MOBIP087US	ENHANCED GROUP OF PICTURES (GOP) ALIGNMENT IN MEDIA STREAM VARIANTS	13/308,062	Nov 30, 2011
MOBIP089	SCALABLE WATERMARK INSERTION FOR FRAGMENTED MEDIA STREAM DELIVERY	13/399,377	Feb 17, 2012
MOBIP090	EFFICIENT DELINEATION AND DISTRIBUTION OF MEDIA SEGMENTS	13/403,552	Feb 23, 2012
MOBIP091	CONTROL OF PERSPECTIVE IN MULTI-DIMENSIONAL MEDIA	13/454,332	Apr 24, 2012

MOBIP092	SEARCH-BASED NAVIGATION OF MEDIA CONTENT	13/457,608	Apr 27, 2012
MOBIP093	CLOSED CAPTIONING MANAGEMENT SYSTEM	13/454,606	Apr 24, 2012
MOBIP093C1	CLOSED CAPTIONING MANAGEMENT SYSTEM	15/340,925	Nov 1, 2016
MOBIP094	CHARACTER BASED SEARCH AND DISCOVERY OF MEDIA CONTENT	13/457,906	Apr 27, 2012
MOBIP094C1	CHARACTER BASED SEARCH AND DISCOVERY OF MEDIA CONTENT	15/376,547	Dec 12, 2016
MOBIP095	COMBINED BROADCAST AND UNICAST DELIVERY	13/535,870	Jun 28, 2012
MOBIP095C1	COMBINED BROADCAST AND UNICAST DELIVERY	14/576,176	Dec 18, 2014
MOBIP095DE	COMBINED BROADCAST AND UNICAST DELIVERY	112013002247.8	Apr 26, 2013
MOBIP095GB	COMBINED BROADCAST AND UNICAST DELIVERY	1416930.4	Apr 26, 2013
MOBIP097P	CONNECTED MULTI-SCREEN VIDEO	61/639,689	Apr 27, 2012
MOBIP103	EYE TRACKING BASED DEFOCUSING	13/661,308	Oct 26, 2012
MOBIP105	OPTIMIZING VIDEO CLARITY	13/558,545	Jul 26, 2012
MOBIP105C1	OPTIMIZING VIDEO CLARITY	15/176,019	Jun 7, 2016
MOBIP106	WATERMARKING OF DIGITAL VIDEO	13/625,262	Sep 24, 2012
MOBIP107	WATERMARKING OF IMAGES	13/646,520	Oct 5, 2012
MOBIP108	PERSONALIZED TIMELINE PRESENTATION	13/591,493	Aug 22, 2012
MOBIP108C1	PERSONALIZED TIMELINE PRESENTATION	14/306,221	Jun 16, 2014
MOBIP110	VIDEO EFFICACY MEASUREMENT	13/674,430	Nov 12, 2012
MOBIP110C1	VIDEO EFFICACY MEASUREMENT	14/454,535	Aug 7, 2014
MOBIP111	FEEDBACK LOOP CONTENT RECOMMENDATION	13/661,294	Oct 26, 2012
MOBIP111C1	FEEDBACK LOOP CONTENT RECOMMENDATION	14/503,357	Sep 30, 2014

MOBIP118	DIGITAL RIGHTS MANAGEMENT FOR HTTP-BASED MEDIA STREAMING	13/752,533	Jan 29, 2013
MOBIP119	SCALABLE NETWORKED DIGITAL VIDEO RECORDINGS VIA SHARD-BASED ARCHITECTURE	13/752,540	Jan 29, 2013
MOBIP119DE	SCALABLE NETWORKED DIGITAL VIDEO RECORDINGS VIA SHARD-BASED ARCHITECTURE	112014000242.9	Jan 28, 2014
MOBIP120	GEOGRAPHIC CONTEXT WEIGHTED CONTENT RECOMMENDATION	13/749,915	Jan 25, 2013
MOBIP122	PRIORITIZED SIDE CHANNEL DELIVERY FOR DOWNLOAD AND STORE MEDIA	13/749,932	Jan 25, 2013
MOBIP123	EFFICIENT COMMON STORAGE OF PARTIALLY ENCRYPTED CONTENT	13/953,482	Jul 29, 2013
MOBIP125US	FAST ENCODING OF LIVE STREAMING MEDIA CONTENT	14/491,950	Sep 19, 2014
MOBIP126US	CAMERA CAPTURE FOR CONNECTED DEVICES	14/515,476	Oct 15, 2014
MOBIP127US	SPLIT SCREEN TELECONFERENCING	14/506,515	Oct 3, 2014
MOBIP129US	UNIFIED PLAYLIST	14/625,548	Feb 18, 2015
MOBIP130	INTERMEDIATE KEY FRAME SELECTION AND ANIMATION	14/613,916	Feb 4, 2015
MOBIP131	MEDIA SEEK MECHANISMS	14/642,814	Mar 10, 2015
MOBIP132	LIVE CONSECUTIVE AD INSERTION	14/730,211	Jun 3, 2015
MOBIP132C1	LIVE CONSECUTIVE AD INSERTION	15/338,254	Oct 28, 2016
MOBIP133	SELF-CONFIGURATION OF WIRELESS CONNECTIONS	14/929,497	Nov 2, 2015
MOBIP133WO	SELF-CONFIGURATION OF WIRELESS CONNECTIONS	PCT/US16/59743	Oct 31, 2016

EXHIBIT C
TRADEMARKS

<u>Trademark</u>	<u>Country</u>	<u>App. #</u>	<u>App. Date</u>	<u>Reg. #</u>	<u>Reg. Date</u>
	Canada	1389014	3/27/2008	TMA79599 7	4/20/2011
	China	A0011656	3/7/2008	IR 972632	3/7/2008
	EU	A0011656	3/7/2008	IR 972632	3/7/2008
	Mexico	920792	3/13/2008	1053264	8/11/2008
	Mexico	920794	3/13/2008	1050499	7/18/2008
	Mexico	920795	3/13/2008	1063983	9/30/2008
	US	77290901	9/27/2007	3545934	12/16/2008
	WIPO	A0011656	3/7/2008	IR 972632	3/7/2008
MOBIMUSIC	Argentina	2653550	2/28/2006	2255327	10/29/2008
MOBIMUSIC	Brazil	827958714	11/30/2005	827958714	6/24/2008
MOBIMUSIC	Brazil	827958722	11/30/2005	827958722	6/24/2008
MOBIRADI O	Argentina	2653551	2/28/2006	2255326	10/29/2008
MOBIRADI O	Brazil	827958692	11/30/2005	827958692	6/24/2008
MOBIRADIO	Brazil	827958706	11/30/2005	827958706	6/24/2008
MOBIRADI O	China	5181448	2/28/2006	5181448	9/7/2009

MOBIRADIO	EU	004654588	9/27/2005	004654588	8/2/2006
MOBIRADIO	US	78978300	8/29/2005	3266472	7/17/2007
MOBITV	Argentina	2621649	9/29/2005	2212112	1/30/2008
MOBITV	Argentina	2621650	9/29/2005	2212113	1/30/2008
MOBITV	Brazil	827958820	11/30/2005	827958820	2/26/2008
MOBITV	Brazil	909235457	4/10/2015		
MOBITV	Brazil	827958889	11/30/2005	827958889	2/26/2008
MOBITV	Brazil	909235520	4/10/2015		
MOBITV	Canada	1241030	12/16/2004	TMA66080 7	3/15/2006
MOBITV	China	4274156	9/17/2004	4274156	5/14/2007
MOBITV	China	5181447	2/28/2006	5181447	5/21/2009
MOBITV	China	4274157	9/17/2004	4274157	2/21/2008
MOBITV	China	5182113	2/28/2006	5182113	9/7/2009
MOBITV	China	4274158	9/17/2004	4274158	2/21/2008
MOBITV	EU	011684552	3/25/2013	011684552	8/22/2013
MOBITV	EU	013914965	4/7/2015	013914965	8/12/2015
MOBITV	Germany	30201027812	12/16/2004	3020102781 2	10/21/2010
MOBITV	India	2938657	4/9/2015		
MOBITV	India	1345983	3/20/2005	1345983	3/21/2005
MOBITV	Indonesia	D002015015157	4/14/2015		
MOBITV	Indonesia	J002015015156	4/14/2015		
MOBITV	Italy	RM2010C00554 9	9/13/2010	1618856	2/25/2011
MOBITV	Japan	2004118303	12/27/2004	4955478	5/26/2006
MOBITV	Japan	2015032926	4/8/2015	5799127	10/9/2015

MOBITV	Spain	M2930251	5/11/2010	M2930251	11/12/2010
MOBITV	UK	2547157	12/16/2004	2547157	12/17/2010
MOBITV	US	78297476	9/8/2003	2941660	4/19/2005
MOBITV	US	86421112	10/10/2014		
MOBITV	US	78297460	9/8/2003	2920088	1/18/2005
MOBITV	Venezuela	216862005	9/29/2005	P315311	4/18/2012
MOBITV	Venezuela	216872005	9/29/2005	S050082	4/18/2012
MOBITV CONNECT	Brazil	909235635	4/10/2015		
MOBITV CONNECT	Brazil	909235589	4/10/2015		
MOBITV CONNECT	Brazil	909235686	4/10/2015		
MOBITV CONNECT	EU	013915384	4/7/2015	013915384	8/12/2015
MOBITV CONNECT	India	2938655	4/9/2015		
MOBITV CONNECT	Indonesia	D002015015159	4/10/2015		
MOBITV CONNECT	Indonesia	J002015015154	4/10/2015		
MOBITV CONNECT	Indonesia	J002015015150	4/10/2015		
MOBITV CONNECT	Japan	2015032927	4/8/2015	5801944	10/23/2015
MOBITV CONNECT	US	86421114	10/10/2014		