

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
SEQUENCE:	1

CONVEYING PARTY DATA

Name	Execution Date
QUICKPLAY MEDIA CO.	03/01/2020

RECEIVING PARTY DATA

Name:	QP HOLDINGS, LLC
Street Address:	ONE AT&T WAY
City:	BEDMINSTER
State/Country:	NEW JERSEY
Postal Code:	07921

PROPERTY NUMBERS Total: 62

Property Type	Number
Application Number:	11956186
Application Number:	11956138
Application Number:	11956162
Application Number:	13454489
Application Number:	14290441
Application Number:	14553813
Application Number:	11956171
Application Number:	11956194
Application Number:	12418576
Application Number:	12903125
Application Number:	13917078
Application Number:	14531370
Application Number:	13568873
Application Number:	14501560
Application Number:	13622681
Application Number:	14503516
Application Number:	14153533
Application Number:	14326345
Application Number:	11956184

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Property Type	Number
Application Number:	14326348
Application Number:	14326353
Application Number:	15405805
Application Number:	14554757
Application Number:	16109232
Application Number:	16242254
Application Number:	15608650
Application Number:	16103242
Application Number:	60869889
Application Number:	60889895
Application Number:	61042634
Application Number:	12711220
PCT Number:	US2009032344
PCT Number:	US2009043130
PCT Number:	US2009043135
PCT Number:	US2011025756
Application Number:	60763385
Application Number:	60816322
Application Number:	60868868
Application Number:	61052163
Application Number:	61097740
Application Number:	61250254
Application Number:	61536470
Application Number:	61659709
Application Number:	61785491
Application Number:	61013551
PCT Number:	US2007087449
Application Number:	14706053
Application Number:	16531442
Application Number:	14833495
Application Number:	61250237
Application Number:	11626707
Application Number:	12022914
Application Number:	12436724
Application Number:	12436706
Application Number:	13355421
Application Number:	13470129
Application Number:	13418275

Property Type	Number
Application Number:	13648635
Application Number:	14804231
Application Number:	13705006
Application Number:	14618948
Application Number:	15845471

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NAME OF SUBMITTER: JEANNE PANIAGUA

SIGNATURE: /Jeanne Paniagua/

DATE SIGNED: 03/18/2020

Total Attachments: 11

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RECORDABLE PATENT ASSIGNMENT

This Recordable Patent Assignment is between Quickplay Media Co. ("Quickplay"), a Nova Scotia company, and QP Holdings, LLC ("QP Holdings"), a Delaware limited liability company.

Effective on March 1, 2020 (Quickplay hereby authorizes QP Holdings to insert the date when known), for good and adequate consideration, the receipt and sufficiency of which has been and hereby is acknowledged, Quickplay hereby assigns, transfers, and conveys and/or has assigned, transferred, and conveyed to QP Holdings all of Quickplay's right, title and interest in and to its patents and patent applications (the "Patents"), including the patents and applications identified on Attachment A, with respect to which and to the extent to which Quickplay has or previously had the right to so assign, transfer and convey such rights, including all claims for past infringement, and all divisions, reexaminations, reissues, substitutions, continuations, continuations-in-part and extensions thereof, including the right to file applications and obtain patents, utility models, industrial models and designs for said inventions in its own name throughout the world including all rights of priority, all rights to public cautionary notices reserving ownership of said inventions and all rights to claim and register said inventions in appropriate registries. Quickplay has further agreed to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in QP Holdings, its successors, assigns and legal representatives.

IN WITNESS WHEREOF, Quickplay has caused this Recordable Patent Assignment to be executed by its duly authorized representative.

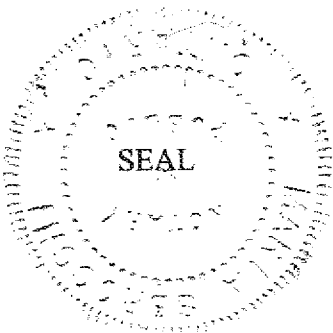
Quickplay Media Co.

By: 
Roland Taylor
General Counsel and Corporate Secretary

CITY OF Toronto)
PROVINCE OF Ontario) ss:

Before me personally appeared Roland Taylor, who executed the foregoing instrument, and acknowledged to me that ~~s~~he executed the same for the purposes therein stated, this 27th day of February, 2020.


Notary Public



The undersigned Assignee confirms that it did accept the assignment and by way of further assurance, hereby accepts this agreement.

SIGNED at Bedminster, New Jersey, USA, this 26th day of February, 2020.
(City/Town) (Country) (Date) (Month)

QP Holdings, LLC

By: David Matsushima
David Matsushima
Manager

ATTACHMENT A

Patents and Patent Applications						
Application / Publication Number	Title	Country	Patent Number	Application Date	Grant Date	
App. No. 11/956,186 Pub. No. 20080200154	Mobile media pause and resume	US	8995815	12/13/2007	3/31/2015	
App. No. 11/956,138 Pub. No. 20080201225	Consumption profile for mobile media	US	8671021	12/13/2007	3/11/2014	
App. No. 11/956,162 Pub. No. 20080207137	Seamlessly switching among unicast, multicast, and broadcast mobile media content	US	8219134	12/13/2007	7/10/2012	
App. No. 13/454,469 Pub. No. 20120208512	Seamlessly switching among unicast, multicast, and broadcast mobile media content	US	8805270	4/24/2012	8/12/2014	
App. No. 14/290,441 Pub. No. 20140342659	Seamlessly switching among unicast, multicast, and broadcast mobile media content	US	9064011	5/29/2014	6/23/2015	
App. No. 14/553,813 Pub. No. 20150078247	Seamlessly switching among unicast, multicast, and broadcast mobile media content	US	10031969	11/25/2014	07/24/2018	
App. No. 11/956,171 Pub. No. 20080207182	Encoding and transcoding for mobile media	US	9064010	12/13/2007	6/23/2015	
App. No. 11/956,194	Mediation and	US	9697280	12/13/2007	7/4/2017	

Pub. No. 20080201386	Settlement for Mobile Media					
App. No. 12/418,576	Progressive download playback	US	8892761	4/4/2009	11/18/2014	
App. No. 12/903,125 Pub. No. 20110225417	Digital rights management in a mobile environment	US	9124650	10/12/2010	9/1/2015	
App. No. 13/917,078 Pub. No. 20140053214	Time synchronizing of distinct video and data feeds that are delivered in a single mobile ip data network compatible stream	US	9571902	6/13/2013	2/14/2017	
App. No. 14/531,370 Pub. No. 20150150046	Mobile media pause and resume	US	10180982	11/3/2014	1/15/2019	
App. No. 13/568,873 Pub. No. 20130064527	Method for remotely controlling a streaming media server with a pause and resume functionality	US	8855460	8/7/2012	10/7/2014	
App. No. 14/501,560 Pub. No. 20150019550	Automated content tag processing for mobile media	US	10083234	9/30/2014	9/25/2018	
App. No. 13/622,681 Pub. No. 20130166580	Media processor	US		9/19/2012		
App. No. 14/503,516 Pub. No. 20150149655	Progressive download playback	US	9866604	10/1/2014	01/09/2018	
App. No. 13804225.4 Pub. No. EP2862359	Time synchronizing of distinct video and data feeds that are delivered in a single mobile ip data network compatible stream	European Patent		6/14/2013		
2015-DN00158 158/DELNP/2015	Time synchronizing of distinct video and data	India		06/14/2013		

	feeds that are delivered in a single mobile ip data network compatible stream								
App. No. 11201408273T	Time synchronizing of distinct video and data feeds that are delivered in a single mobile ip data network compatible stream	Singapore						6/14/2013	
4026/CHENP/2009	Mobile media platform	India						12/13/2007	
14/153,533	Consumption profile for mobile media	US						1/13/2014	
14/326,345	Consumption profile for mobile media	US						7/8/2014	
11/956,184	Automated Content Tag Processing for Mobile Media	US						12/13/2007	
14/326,348	Consumption profile for mobile media	US						7/8/2014	
14/326,353	Consumption profile for mobile media	US						7/8/2014	
15/405,805	Time Synchronizing Of Distinct Video And Data Feeds That Are Delivered In A Single Mobile IP Data Network Compatible Stream	US						1/13/2017	6/18/2019
14/554,757	Seamlessly switching among unicast, multicast, and broadcast mobile media content	US						11/26/2014	
16/109,232	Automated Content Tag Processing For Mobile Media	US						8/22/2018	9/10/2019
16/242,254	Mobile Media Pause And Resume	US						1/8/2019	
15/608,650	Mediation And	US						5/30/2017	9/18/2018

16/103,242	Settlement For Mobile Media	US	10459977	8/14/2018	10/29/2019
PCT/IB2007/004401	Mediation And Settlement For Mobile Media	PCT		12/13/2007	
PCT/CA2013/050456	Time Synchronizing Of Distinct Video And Data Feeds That Are Delivered In A Single Mobile IP Data Network Compatible Stream	PCT		6/14/2013	
PCT/CA2010/001636	Digital Rights Management For A Mobile Media Platform	PCT		10/12/2010	
PCT/CA2012/050654	Mobile Media Platform	PCT		9/19/2012	
07872056.2	Mobile Media Platform	EP		12/13/2007	
10821541.9	Digital Rights Management For A Mobile Media Platform	EP		10/12/2010	
12833936.3	Mobile Media Platform	EP		9/19/2012	
2672735	Mobile Media Platform	CA		12/13/2007	
10109902.6	Mobile Media Platform	HK		10/19/2010	
13100454.4	Digital Rights Management For A Mobile Media Platform	HK		1/11/2013	
14111329.3	Mobile Media Platform	HK		11/7/2014	
60/8669889	Mobile Media Platform	US		12/13/2006	
60/889895	Mobile Media Platform	US		2/14/2007	
61/042634	Progressive Download Playback	US		4/4/2008	
12/711220	Datcasting With Automatic Delivery Of Service Management System	US		2/23/2010	
PCT/US2009/03234	Reliable Event	PCT		01/25/2007	

4		Broadcaster With Multiplexing And Bandwidth Control Functions				
PCT/US2009/043130		Datacasting With Automatic Delivery Of Service Management System	PCT		5/7/2009	
PCT/US2009/043135		Datacasting With Automatic Delivery Of Service Management System	PCT		5/7/2009	
PCT/US2011/025756		Datacasting With Automatic Delivery Of Service Management System	PCT		2/22/2011	
60/763385		Reliable Event Broadcaster With Multiplexing And Bandwidth Control Functions	US		1/31/2006	
60/816322		Reliable Event Broadcaster With Multiplexing And Bandwidth Control Functions	US		6/26/2006	
60/868868		Reliable Event Broadcaster With Multiplexing And Bandwidth Control Functions	US		12/6/2006	
61/052163		Datacasting With Automatic Delivery Of Service Management System	US		5/9/2008	
61/097740		Datacasting With Automatic Delivery Of Service Management System	US		9/17/2008	
61/250254		Digital Rights	US		10/9/2009	

61/536470	Management For A Mobile Media Platform Media Processor	US			9/19/2011	
61/659709	Facilitating User Interaction With A Plurality Of Distinct Video Feeds That Are Delivered In A Single Mobile IP Data Network Compatible Stream	US			6/14/2012	
61/785491	Time Synchronizing Of Distinct Video And Data Feeds That Are Delivered In A Single Mobile IP Data Network Compatible Stream	US			3/14/2013	
61/013551	Mobile Media Platform	US			12/13/2007	
PCT/US2007/08744	Mobile Media Platform	PCT			12/13/2007	
14/706053	Mobile Media Platform	US			5/7/2015	
16/531442	Automated Content Tag Processing For Mobile Media	US			8/5/2019	
14/833495	Progressive Download Playback	US			8/24/2015	
61/250237	Digital Rights Management For A Mobile Media Platform	US			10/9/2009	
App. No. 11/626,707 Pub. No. 2007-0180119	Reliable Event Broadcaster With Multiplexing And Bandwidth Control Functions	US	8,149,771		1/24/2007	4/3/2012
App. No. 12/022,914 Pub. No. 2008-0137502	Location-Specific Event Broadcasting	US	8,102,864		1/30/2008	1/24/2012
App. No. 12/436,724 Pub. No. 2009-0313383	Datacasting With Automatic Delivery Service Management	US	8,127,041		5/6/2009	2/28/2012

App. No. 12/436,706 Pub. No. 2010- 0061388	System Datcasting System With Intermittent Listener Capability	US	8,311,048	5/6/2009	11/13/2012
App. No. 13/355,421 Pub. No. 2012- 0122490	Location-Specific Event Broadcasting	US	8,325,747	1/20/2012	12/4/2012
App. No. 13/470,129 Pub. No. 2012- 0226816	Datcast System with With Hierarchical Quality of Service Management Capability	US	8,423,660	5/11/2012	4/16/2013
App. No. 13/418,275 Pub. No. 2012- 0230195	Reliable Event Broadcaster with Multiplexing and Bandwidth Control Functions	US	8,711,696	3/12/2012	4/29/2014
App. No. 13/648,635 Pub. No. 2013- 0034102	Datcasting With Intermittent Listener Capability	US	8,953,627	10/10/2012	2/10/2015
App. no. 14/804,231 2008-552570	Location-Specific Event Broadcasting Reliable Event Broadcaster with Multiplexing and Bandwidth Control Functions	US Japan	9648113 4740342	7/20/2015 1/25/2007	5/09/2017 5/13/2011
App. No. 07717405 Pub. No. EP1980069	Reliable Event Broadcaster With Multiplexing and Bandwidth Control Functions	Europe	1980069	01/30/2008	11/12/2014
App. No. 07717405 Pub. No. EP1980069	Reliable Event Broadcaster With Multiplexing and Bandwidth Control Functions	Great Britain	1980069	1/25/2007	11/12/2014
App. No. 07717405 Pub. No. EP1980069	Reliable Event Broadcaster With Multiplexing and Bandwidth Control Functions	Germany	602007039222.5- 06	1/25/2007	11/12/2014

App. No. 07717405 Pub. No. EP1980069	Functions Reliable Event Broadcaster With Multiplexing and Bandwidth Control Functions	France	1980069	1/25/2007	11/12/2014
App. No. 07717405 Pub. No. EP1980069	Reliable Event Broadcaster With Multiplexing and Bandwidth Control Functions	Ireland	1980069	1/25/2007	11/12/2014
App. No. 07717405 Pub. No. EP1980069	Reliable Event Broadcaster With Multiplexing and Bandwidth Control Functions	Netherlands	1980069	1/25/2007	11/12/2014
20087018988	Reliable Event Broadcaster With Multiplexing and Bandwidth Control Functions	Korea	10-1503073	1/25/2007	3/10/2015
20147022454	Reliable Event Broadcaster With Multiplexing and Bandwidth Control Functions	Korea	10-1560115	1/25/2007	10/6/2015
App. No. 13/705,006 Pub. No. 2013- 0166735	Location-Specific Event Broadcasting	US	9,088,428	12/4/2012	7/21/2015
App. No. 2,777,102	Digital rights management in a mobile environment	Canada		4/10/2012	
App. No. 2,849,158	Media processor	Canada		3/19/2014	
App. No. 2,876,752	Time synchronizing of distinct video and data feeds that are delivered in a single mobile IP data network compatible stream	Canada		12/15/2014	

App. No. 14/618,948 Pub. No. 2016- 0006816	Datacasting system with intermittent listener capability	US	9992284	2/10/2015	6/5/2018
App. No. 15/845,471 Pub. No. 2019- 0191008	Media Transcoding Based On Priority of Media	US		12/18/2017	