## 504136026 12/20/2016 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4192312

SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT	
CONVEYING PARTY	ΟΑΤΑ	I		
		Name	Execution Date	
ALEXANDER GILADI			12/12/2014	
XIN WANG			12/09/2014	
RECEIVING PARTY D	ΑΤΑ			
Name:	Futurev	wei Technologies, Inc.		
Street Address:	5340 L	5340 Legacy Drive		
Internal Address:	Suite 1	Suite 175		
City:	Plano	Plano		
State/Country:	TEXAS	TEXAS		
Postal Code:	75024			
PROPERTY NUMBERS Total: 1 Property Type		Number		
		5381909		
Application Number:		15381909		
		15381909		
CORRESPONDENCE				
CORRESPONDENCE Fax Number: <i>Correspondence will</i>	be sent to	15381909 (972)731-2289 o the e-mail address first; if that is unsucc d; if that is unsuccessful, it will be sent via		
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CORRESPONDENCE Fax Number: <i>Correspondence will using a fax number, in</i> Phone: Email:	be sent to f provideo	(972)731-2289 <b>5 the e-mail address first; if that is unsuce</b> <b>4; if that is unsuccessful, it will be sent vi</b> 972-731-2288 dallaspatents@dfw.conleyrose.com		
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CORRESPONDENCE Fax Number: <i>Correspondence will using a fax number, in</i> Phone: Email: Correspondent Name Address Line 1: Address Line 4:	be sent to f provideo :	(972)731-2289 <b>o the e-mail address first; if that is unsuce</b> <b>d; if that is unsuccessful, it will be sent via</b> 972-731-2288 dallaspatents@dfw.conleyrose.com GRANT RODOLPH 5601 GRANITE PARKWAY, SUITE 500 PLANO, TEXAS 75024-6616		
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CORRESPONDENCE Fax Number: Correspondence will using a fax number, in Phone: Email: Correspondent Name Address Line 1: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER	be sent to f provided : IUMBER:	(972)731-2289 o the e-mail address first; if that is unsuce d; if that is unsuccessful, it will be sent via 972-731-2288 dallaspatents@dfw.conleyrose.com GRANT RODOLPH 5601 GRANITE PARKWAY, SUITE 500 PLANO, TEXAS 75024-6616 4194-61305 (83559365US10) JONATHAN K. POLK		
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WHEREAS, I/We, the undersigned inventor(s) (or one of the undersigned joint inventors), of residence as listed below, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, the said application having been executed on the date set forth below; and

WHEREAS, Futurewei Technologies, Inc. ("Assignee"), a corporation organized and existing under the laws of Texas, with its principal office at 5340 Legacy Drive, Suite 175, Plano, TX 75024 is desirous of acquiring my/our entire right, title and interest in the said invention, and to the said application and any Letters Patent that may issue thereon in the United States and all other countries throughout the world;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I/we will assign, and hereby assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns the full and exclusive right, title and interest in and to the invention in the United States and every foreign country and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisional, reissues, reexaminations, National Phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and I/we do hereby authorize and request the Commissioner for Patents to issue U.S. patents for said invention, or patent resulting therefrom, insofar as my interest is concerned, to the Assignee agreeably with the terms of this assignment document.

I also hereby agree to sell and to assign, and sell and assign to Assignee, its successors and assigns, my foreign rights to the invention disclosed in said application, in all countries of the world, including, but not limited to, the right to file applications and obtain patents under the terms of the International Convention, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

I hereby further agree that I will communicate to Assignee, or its successors, assigns, and legal representative, any facts known to me respecting said invention or the file history thereof, and at the expense of said assignee company, testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, and generally do everything possible to aid such Futurewei, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

Futurewei Technologies, Inc. Patent Reference No. 83559365US08 Conley Rose File: 4194-61303

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PATENT REEL: 040679 FRAME: 0575

## IN WITNESS WHEREOF, I hereunto set my hand and seal this day and year;

Title of Invention	Specifying Client Behavior and Sessions in Dynamic Adaptive Streaming over Hypertext Transfer Protocol (DASH)		
	Appl. No, 14/549,474	Filing Date: November 20, 2014	
Signature of Inventor	1.D		
Inventor Name	Alexander Giladi		
Date	12/12/2014		
Residence (City/State)	Princeton, New Jersey		
Signature of Inventor			
Inventor Name	Xin Wang		
Date	***************************************	***************************************	
Residence (City/State)	Rancho Palos Verdes, California		

Futurewei Technologies, Inc. Patent Reference No. 83559365US08 Conley Rose File: 4194-61303 Page 2 of 2

IN WITNESS WHEREOF, I hereunto set my hand and seal this day and year;

Title of Invention	Specifying Client Behavior and Sessions in Dynamic Adaptive Streaming over Hypertext Transfer Protocol (DASH)		
	Appl. No. 14/549,474	Filing Date: November 20, 2014	
Signature of Inventor			
Inventor Name	Alexander Giladi		
Date			
Residence (City/State)	Princeton, New Jersey		
Signature of Inventor	(And		
Inventor Name	Xin Wang		
Date	12/09/2014		
Residence (City/State)	Rancho Palos Verdes, California		

Futurewei Technologies, Inc. Patent Reference No. 83559365US08 Conley Rose File: 4194-61303

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PATENT REEL: 040679 FRAME: 0577

RECORDED: 12/20/2016