PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5227123

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT	
NATURE OF CONVEYANCE:	Corrective Assignment to correct the FIRST NAME OF THE ASSIGNOR previously recorded on Reel 047337 Frame 0537. Assignor(s) hereby confirms the ASSIGNMENT.	

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL GORDON	08/21/2017

RECEIVING PARTY DATA

Name:	DLVR, INC.		
Street Address:	5555 E. VAN BUREN STREET		
Internal Address:	SUITE 235		
City:	PHOENIX		
State/Country:	ARIZONA		
Postal Code:	85008		

PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	16173104		

CORRESPONDENCE DATA

Fax Number:

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.

Email: payoung@kilpatricktownsend.com

Correspondent Name: KILPATRICK TOWNSEND & STOCKTON LLP

Address Line 1: 1100 PEACHTREE STREET

Address Line 2: SUITE 2800

Address Line 4: ATLANTA, GEORGIA 30309

ATTORNEY DOCKET NUMBER:	097600-000131US-1111800
NAME OF SUBMITTER:	PHOEBE YOUNG
SIGNATURE:	/Phoebe Young/
DATE SIGNED:	11/07/2018

Total Attachments: 4

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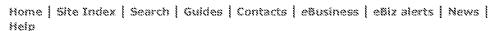
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PATENT REEL: 047446 FRAME: 0733



United States Patent and Trademark Office





Electronic Patent Assignment System

Confirmation Receipt

Your assignment has been received by the USPTO. The coversheet of the assignment is displayed below:

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Electronic Version v1.1

Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT				
NATURE OF CONVEYANCE:					
CONVEYING PARTY DATA	CONVEYING PARTY DATA				
Nar	ne	Execution Date			
MIKE-GORDON MICHAEL GORD	<u>ON</u>	08/21/2017			
RECEIVING PARTY DATA					
Name: DLVR, INC.	DLVR, INC.				
Street Address: 5555 E. VAN B	5555 E. VAN BUREN STREET				
Internal SUITE 235	SUITE 235				
City: PHOENIX	PHOENIX				
State/Country: ARIZONA	ARIZONA				
Postal Code: 85008	stal Code: 85008				
PROPERTY NUMBERS Total: 1					
Property Type	Number				

16173104 Application Number: CORRESPONDENCE DATA Fax Number: Email: payoung@kilpatricktownsend.com 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. Correspondent Name: KILPATRICK TOWNSEND & STOCKTON LLP Address Line 1: 1100 PEACHTREE STREET Address Line 2: **SUITE 2800** Address Line 4: ATLANTA, GEORGIA 30309 ATTORNEY DOCKET NUMBER: 097600-000131US-1111800 NAME OF SUBMITTER: PHOEBE YOUNG Signature: /Phoebe Young/ Date: 10/29/2018 This document serves as an Oath/Declaration (37 CFR 1.63). Total Attachments: 1 source=Assignment for Recordation#page1.tif RECEIPT INFORMATION PAT5210275 EPAS ID: 10/29/2018 Receipt Date:

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Attorney Docket No.: 097600-000121US-1016505

COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION

Title of Invention: DETERMINING MANIFEST FILE DATA USED IN ADAPTIVE STREAMING

VIDEO DELIVERY

Application No. 15/683,462, filed on August 22, 2017

ASSIGNMENT

WHEREAS, I, Michael Gordon, residing in Paradise Valley, AZ, a citizen of the United States, am the original inventor or an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent;

WHEREAS, DLVR, Inc., having a principle place of business at 5555 E. Van Buren Street, Suite 235, Phoenix, AZ 85008, hereinafter referred to as "DLVR," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the inventor, have assigned, and by these presents do assign to DLVR all rights, title, and interest in and to the invention and application and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by DLVR and DLVR's successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

I further agree that I will, without charge to me, but at DLVR's expense, (a) cooperate with DLVR in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge, and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as DLVR lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in DLVR, or DLVR's successors and assigns. I waive any obligation of DLVR to file foreign counterparts on the invention or continue pursuit of prosecution of the invention and application and to all foreign counterparts, DLVR can in its sole discretion choose which countries to file foreign counterparts, unless I have previously informed DLVR in writing of any foreign counterparts I would like the option to pursue or prosecute.

I hereby authorize and request Kilpatrick Townsend & Stockton LLP, Two Embarcadero Center, Eighth Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

DECLARATION

As the above named inventor, I hereby declare that:

- This declaration is directed to the application listed above and any applications related by priority that may include claims or claim elements supported in the application listed above.
- The above-identified application was made or authorized to be made by me.
- I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
- I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than 5 years, or both.

IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Dated: 8/21/2017 Michael Gordon

PATENT
RECORDED: 11/07/2018 REEL: 047446 FRAME: 0736