505248718 12/20/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5295498

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHEN LIU	12/20/2018
WENHAO ZHANG	12/20/2018
XIAOBO LIU	12/20/2018
DELIANG FU	12/20/2018

RECEIVING PARTY DATA

Name:	HULU, LLC	
Street Address:	2500 BROADWAY, SUITE 200	
City:	SANTA MONICA	
State/Country:	CALIFORNIA	
Postal Code:	90404	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16228548

CORRESPONDENCE DATA

Fax Number: (408)516-5926

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.

Phone: 408-244-6319

Email: docketing@fountainheadlaw.com

Correspondent Name: FOUNTAINHEAD LAW GROUP, PC CHAD R. WALSH

Address Line 1: 900 LAFAYETTE STREET

Address Line 2: SUITE 301

Address Line 4: SANTA CLARA, CALIFORNIA 95050

ATTORNEY DOCKET NUMBER:	: 000118-027500US	
NAME OF SUBMITTER:	BRIAN N. YOUNG	
SIGNATURE:	/Brian N. Young Reg. No. 48602/	
DATE SIGNED:	12/20/2018	

Total Attachments: 2

source=118-275_Assignment_signed#page1.tif source=118-275_Assignment_signed#page2.tif

PATENT 505248718 REEL: 047836 FRAME: 0989

Attorney Docket No.: 000118-027500US

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, **Chen Liu, Wenhao Zhang, Xiaobo Liu** and **Deliang Fu**, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: VIDEO CHUNK COMBINATION OPTIMIZATION

Application No.: 16/228,548

Filing Date: December 20, 2018

WHEREAS, **HULU**, **LLC**, located at 2500 Broadway, 2nd Floor, Santa Monica, CA 90404 hereinafter referred to as "Assignee," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, 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 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 Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors 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.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee 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 Assignee 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 Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Fountainhead Law Group PC, 900 Lafayette St., Ste. 301, Santa Clara, CA 95050, to insert herein above the application number and filing date of said application when known.

PATENT REEL: 047836 FRAME: 0990 Assignment

Attorney Docket No.: 000118-027500US

Page 2

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 2018.12.20

Chen Liu

Dated: 2018 · 12.20

Wenhao Zhang

Dated: 2018.12.20

Yizoho Liu

Dated: 2018, 12,70

Deliang Fu

PATENT REEL: 047836 FRAME: 0991

RECORDED: 12/20/2018