

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT4969106

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CHARLES BENJAMIN FRANKLIN WAGGONER	05/25/2017
YONGJUN WU	05/25/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	AMAZON TECHNOLOGIES, INC.
<b>Street Address:</b>	PO BOX 81226
<b>City:</b>	SEATTLE
<b>State/Country:</b>	WASHINGTON
<b>Postal Code:</b>	98108-1226
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15282771
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(510)663-0920
<i>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.</i>	
<b>Phone:</b>	5106631100
<b>Email:</b>	sarmstrong@wavsip.com
<b>Correspondent Name:</b>	WEAVER AUSTIN VILLENEUVE & SAMPSON LLP
<b>Address Line 1:</b>	P.O. BOX 70250
<b>Address Line 4:</b>	OAKLAND, CALIFORNIA 94612
<b>ATTORNEY DOCKET NUMBER:</b>	AMZ1P076/P33919-US
<b>NAME OF SUBMITTER:</b>	SARAH ARMSTRONG
<b>SIGNATURE:</b>	/Sarah Armstrong/
<b>DATE SIGNED:</b>	05/18/2018
<b>Total Attachments: 5</b>	
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**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent Appln. No. 15/282,771

Attorney Docket No. AMZ1P076

Filing Date September 30, 2016

Client Docket No. P33919-US

**PARTIES TO THE ASSIGNMENT**

Assignor(s):

**Charles Benjamin Franklin Waggoner**  
410 Terry Avenue North  
Seattle, WA 98109-5210

**Yongjun Wu**  
410 Terry Avenue North  
Seattle, WA 98109-5210

Assignee:

Amazon Technologies, Inc.  
PO Box 81226  
Seattle, WA 98108-1226

**AGREEMENT**

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled  
"USING REFERENCE-ONLY DECODING OF NON-VIEWED SECTIONS OF A PROJECTED VIDEO"  
(Invention) for which a non-provisional application for United States Letters Patent  
(Application):

- ☒ was filed on September 30, 2016 and accorded U.S. Application No. 15/282,771; or  
☐ will be filed concurrently with the submission of this executed PATENT ASSIGNMENT  
for recordation.

ASSIGNOR(S) hereby authorizes and requests ASSIGNEE'S legal representatives, of  
Weaver Austin Villeneuve & Sampson LLP, associated with Customer No. 136609, to insert in the  
header above and here in parentheses (U.S. Patent Application No.15/282,771, filed September  
30, 2016) this application's U.S. application number and filing date, when known.

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent Appln. No. 15/282,771

Attorney Docket No. AMZ1P076

Filing Date September 30, 2016

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Title of Invention: USING REFERENCE-ONLY DECODING OF NON-VIEWED SECTIONS OF A  
PROJECTED VIDEO

Inventors: Charles Benjamin Franklin Waggoner and Yongjun Wu

WHEREAS, ASSIGNEE, a corporation of the State of Nevada, is desirous of acquiring the entire right, title and interest in and to the Invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE its successors and assigns, the entire right, title and interest in and to said Invention and any improvements thereto, said Application and any and all letters patent which may be granted for said Invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all provisional, divisions, reissues, re-examinations and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said Application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said Invention, Application and all letters patent on said Invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks, as well as all other applicable patent offices throughout the world, to issue all letters patent on said Invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said Invention, for litigation

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Inventors: Charles Benjamin Franklin Waggoner and Yongjun Wu

regarding said letters patent, or for the purpose of protecting title to said Invention or letters  
patent therefor.

AND ASSIGNOR(S) DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its  
successors, legal representatives, and assigns all claims for damages and all remedies arising out  
of any violation of the rights assigned hereby that may have accrued prior to the date of  
assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue  
for, collect, and retain damages for past infringements of said letters patent before or after  
issuance.

AND ASSIGNOR(S) DOES HEREBY covenant and agree that ASSIGNOR(S) will  
communicate to ASSIGNEE, its successors, legal representatives and assigns, any facts known to  
ASSIGNOR respecting the Invention or said Application, and testify in any legal proceeding, assist  
in the preparation of any other patent property relating to the Application and the Invention or  
any improvements made thereto, sign/execute all lawful papers, provide all requested  
documents, execute and make all rightful oaths and/or declarations in connection with the  
Application and the Invention including any improvements made thereto, any patent  
applications filed therefrom, and any continuing application filed from any of the  
aforementioned applications, and generally do everything possible to aid ASSIGNEE, its  
successors, legal representatives and assigns, to obtain and enforce proper patent protection for  
the Invention in all countries. These provisions are binding upon ASSIGNOR's heirs, legal  
representatives, administrators, and assigns.

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Title of Invention: USING REFERENCE-ONLY DECODING OF NON-VIEWED SECTIONS OF A  
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Inventors: Charles Benjamin Franklin Waggoner and Yongjun Wu

**DECLARATION**

As a below named inventor, I hereby declare that:

This declaration is directed to:

☐ the attached application; or

☒ United States Patent Application number 15/282,771 filed on September 30, 2016;

or

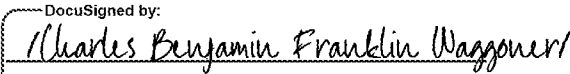
☐ PCT International Application number \_\_\_\_\_ filed on \_\_\_\_\_.

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 have reviewed and understand the contents of the above-identified application, and  
acknowledge the duty to disclose to the US Patent & Trademark Office all information known to  
me to be material to the patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable  
under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

DocuSigned by:  
  
3AB717603D4D4FF  
Charles Benjamin Franklin Waggoner

May 25, 2017

\_\_\_\_\_  
Date

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent Appln. No. 15/282,771

Attorney Docket No. AMZ1P076

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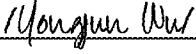
☐ PCT International Application number \_\_\_\_\_ filed on \_\_\_\_\_.

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 have reviewed and understand the contents of the above-identified application, and  
acknowledge the duty to disclose to the US Patent & Trademark Office all information known to  
me to be material to the patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable  
under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

DocuSigned by:  
  
BC7009BD9239476...  
Yongjun Wu

May 25, 2017

Date