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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3868285

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DOUGLAS RYAN GRAY	04/28/2016
ADAM CARLSON	04/28/2016
ASHUTOSH VISHWAS KULKARNI	05/08/2015
ANNA MAKRIS	04/16/2015
COLIN JON TAYLOR	03/25/2016

RECEIVING PARTY DATA

Name:	AMAZON TECHNOLOGIES, INC.
Street Address:	P.O. BOX 81226
City:	SEATTLE
State/Country:	WASHINGTON
Postal Code:	98108-1226

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14667652

CORRESPONDENCE DATA

Fax Number: (415)374-2499

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: 415 374 2300

Email: julie.raynova@hoganlovells.com **Correspondent Name:** HOGAN LOVELLS US LLP

Address Line 1: 3 EMRARCADERO CENTER SIII

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ATTORNEY DOCKET NUMBER:	020346.073001
NAME OF SUBMITTER:	JASON D. LOHR
SIGNATURE:	/Jason D. Lohr/
DATE SIGNED:	05/11/2016

Total Attachments: 8

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PATENT REEL: 038549 FRAME: 0424

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PATENT REEL: 038549 FRAME: 0425

U.S. Patent Appln. No. <u>14/667,652</u> Filing Date <u>March 24, 2015</u> Attorney Docket No. <u>"20346.0730.NPUS00"</u>

Client Docket No. <u>"PM10386-US"</u>

PARTIES TO THE ASSIGNMENT

Assignor(s):

DOUGLAS RYAN GRAY 410 Terry Avenue North Seattle, WA 98109-5210

ADAM CARLSON

410 Terry Avenue North Seattle, WA 98109-5210

ASHUTOSH VISHWAS KULKARNI

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ANNA MAKRIS

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COLIN JON TAYLOR

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

"INTELLIGENT VIDEO NAVIGATION TECHNIQUES" (Invention) for which a non-provisional application for

United States Letters Patent

Was filed on March 24, 2015 and accorded U.S. application no. 14/667,652; or

will be filed concurrently with the submission of this executed PATENT ASSIGNMENT for recordation.

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U.S. Patent Appln. No. 14/667,652

Filing Date March 24, 2015

Attorney Docket No. "20346.0730.NPUS00"

Client Docket No. "PM10386-US"

ASSIGNOR(S) hereby authorizes and requests ASSIGNEE'S legal representatives, of

Novak Druce Connolly Bove + Quigg LLP, associated with Customer No. 65761, to insert in the header

above and here in parentheses (U.S. application no. 14/667,652, filed March 24, 2015) this application's

U.S. application number and filing date, when known.

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(5) hereby authorize and request the Commissioner of

Patents and Trademarks 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 regarding said letters patent, or

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

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PATENT

REEL: 038549 FRAME: 0427

U.S. Patent Appln. No. 14/667,652

Filing Date March 24, 2015

Attorney Docket No. "20346.0730.NPUS00"

Client Docket No. "PM10386-US"

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 said

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 the 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 our heirs, legal representatives,

administrators, and assigns.

CORRESPONDENCE ADDRESS

I hereby direct all correspondence and telephone calls in connection with this application be

addressed to the number associated with the customer number listed below, which is:

Customer No.

65761

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PATENT REEL: 038549 FRAME: 0428

Filing Date March 24, 2015 DECLARATION	Client Docket No. <u>"PM10386-US"</u>
DECLARATION	
As a below named inventor, I hereby declare that:	
This declaration is directed to:	
the attached application; or	
$igotimes$ United States application number $14/667,\!65$	<u>2</u> filed on <u>March 24, 2015;</u> or
PCT international application number	filed on
The above-identified application was made or authorized	d to be made by me.
I believe that I am the original inventor or an original joir	nt inventor of a claimed Invention in the
application.	
I have reviewed and understand the contents of the abo	ve-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 ma	ade in this declaration is punishable under 18
USC 1001 by fine or imprisonment of not more than five	(5) years, or both.
DocuSigned by:	
\$\frac{1}{2}\frac{1}{2	April 28, 2016
DOUGLAS RYAN GRAY	Date

U.S. Patent Appln. No. <u>14/667,652</u>	Attorney Docket No. <u>"20346.0730.NPUS00</u>
Filing Date March 24, 2015	Client Docket No. <u>"PM10386-US"</u>
<u>DECLARATION</u>	
As a below named inventor, I hereby declare the	at:
This declaration is directed to:	
the attached application; or	
igotimes United States application number 14	4/667,652 filed on <u>March 24, 2015;</u> or
PCT international application number	er filed on
The above-identified application was made or a	uthorized to be made by me.
I believe that I am the original inventor or an or	iginal joint inventor of a claimed Invention in the
application.	
I have reviewed and understand the contents of	f 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 state	ement 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:	
1 Adam Carlson1	April 28, 2016
ADAM CARLSON	Date

U.S. Patent Appln. No. 14/667,652 Attorney Docket No. "20346.0730.NPUS00" Filing Date March 24, 2015 Client Docket No. "PM10386-US" **DECLARATION** As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States application number 14/667,652 filed on March 24, 2015; 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. Legal name of inventor: ASHUTOSH VISHWAS KULKARNI WITNESSED BY:

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Inventor Signature

05/08/2015

Attorney Docket No. "20346.0730.NPUS00" U.S. Patent Appln. No. 14/667,652 Client Docket No. "PM10386-US" Filing Date March 24, 2015 **DECLARATION** As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States application number 14/667,652 filed on March 24, 2015; 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. Legal name of inventor: **ANNA MAKRIS** WITNESSED BY:

Inventor Signature

Attorney Dacket No. "20346.0730.NPUS00" U.S. Patent Appln. No. 14/667,652 Client Docket No. "PM10386-U5" Filing Date March 24, 2015 **DECLARATION** As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States application number 14/667,652 filed on March 24, 2015; or PCT international application number _____ 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. Legal name of inventor:

WITNESSED BY:

Inventor Signature

COLIN JON TAYLOR

- 10 ml

Date

Kaitlyn Laine

Vitness (Printed Name)

3/25/2016

Witness Signature

Date

Page 8 of 8

RECORDED: 05/11/2016