504175508 01/12/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4222186

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MALCOLM FEATONBY	01/05/2017
YUXUAN LIU	01/10/2017
UMESH CHANDANI	01/05/2017
JOHN MERRILL PHILLIPS JR	01/10/2017
ADITHYA BHAT	01/05/2017
DOUGLAS COTTON KURTZ	01/05/2017
MIHIR SADRUDDIN SURANI	01/06/2017

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15404131

CORRESPONDENCE DATA

Fax Number: (512)853-8801

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.

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Email:mmoffitt@intprop.comCorrespondent Name:ROBERT C. KOWERT

Address Line 1: PO BOX 398

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ATTORNEY DOCKET NUMBER:	6924-40400/RCK
NAME OF SUBMITTER:	ROBERT C. KOWERT
SIGNATURE:	/Robert C. Kowert/
DATE SIGNED:	01/12/2017

PATENT REEL: 040955 FRAME: 0275

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Total Attachments: 11 source=P36068-US-Assignment-Declaration#page1.tif source=P36068-US-Assignment-Declaration#page2.tif source=P36068-US-Assignment-Declaration#page3.tif source=P36068-US-Assignment-Declaration#page4.tif source=P36068-US-Assignment-Declaration#page5.tif source=P36068-US-Assignment-Declaration#page6.tif source=P36068-US-Assignment-Declaration#page7.tif source=P36068-US-Assignment-Declaration#page8.tif source=P36068-US-Assignment-Declaration#page9.tif source=P36068-US-Assignment-Declaration#page10.tif source=P36068-US-Assignment-Declaration#page11.tif

U.S. Patent Appln. No	Attorney Docket No. <u>6924-40400</u>
Filing Date	Client Docket No. <u>P36068-US</u>
PARTIES TO THE ASSIGNMENT	
Assignor(s):	
Malcolm Featonby	
410 Terry Avenue North	Adithya Bhat
Seattle, WA 98109-5210	410 Terry Avenue North
	Seattle, WA 98109-5210
Yuxuan Liu	
410 Terry Avenue North	Douglas Cotton Kurtz
Seattle, WA 98109-5210	410 Terry Avenue North
in the transfer of the transfe	Seattle, WA 98109-5210
Umesh Chandani	x x th. t. on d d on t
410 Terry Avenue North Seattle, WA 98109-5210	Mihir Sadruddin Surani 410 Terry Avenue North
Seattle, VVA 36103-3210	Seattle, WA 98109-5210
John Merrill Phillips, Jr.	Jeache, WA Joseph Jeso
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
"INTERACTION MONITORING FOR VIRTUALIZED GF	RAPHICS PROCESSING" (Invention) for which a
non-provisional application for United States Lette	ers Patent (Application):
was filed on and accorded	d U.S. Application No; or
will be filed concurrently with the sub	mission of this executed PATENT ASSIGNMENT
for recordation.	
ASSIGNOR(S) hereby authorizes and requests A	ASSIGNEE'S legal representatives, of

Page 1 of 11

U.S. Patent Appln, No.

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No	Attorney Docket No. <u>6924-40400</u>
Filing Date	Client Docket No. <u>P36068-US</u>
Title of Invention: <u>INTERACTION MONITORING I</u>	OR VIRTUALIZED GRAPHICS PROCESSING
Inventors: Malcolm Featonby , Yuxuan Liu, Um Bhat, Douglas Cotton Kurtz, Mihir Sadruddin S	esh Chandani, John Merrill Phillips, Jr., Adithya urani
Meyertons, Hood, Kivlin, Kowert & Goetzel, a	ssociated with Customer No. <u>136594</u> , to insert in
the header above and here in parentheses	(U.S. Patent Application No, filed
) 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(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)

Page 2 of 11

U.S. Patent Appln. No. _____

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

Attorney Docket No. 6924-40400

Filing Date _____ Client Docket No. <u>P36068-US</u>

Title of Invention: INTERACTION MONITORING FOR VIRTUALIZED GRAPHICS PROCESSING

Inventors: Malcolm Featonby, Yuxuan Liu, Umesh Chandani, John Merrill Phillips, Jr., Adithya

Bhat, Douglas Cotton Kurtz, Mihir Sadruddin Surani

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.

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

Page 3 of 11

U.S. Patent Appln. No.	Attorney Docket No. <u>6924-40400</u>	
Filing Date	Client Docket No. <u>P36068-US</u>	
Title of Invention: INTERACTION I	MONITORING FOR VIRTUALIZED GRAPHICS PROCESSING	
Inventors: Malcolm Featonby, Yuxuan Liu, Umesh Chandani, John Merrill Phillips, Jr., Adithya Bhat, Douglas Cotton Kurtz, Mihir Sadruddin Surani		
the Invention in all countries.	These provisions are binding upon ASSIGNOR's heirs, legal	
representatives, administrators,	and assigns.	

U.S. Patent Appln. No	Attorney Docket No. <u>6924-40400</u>
Filing Date	Client Docket No. <u>P36068-US</u>
Title of Invention: INTERACTION MONITORING FOR VIRTUALIZE	D GRAPHICS PROCESSING
Inventors: Malcolm Featonby, Yuxuan Liu, Umesh Chandani, . Bhat, Douglas Cotton Kurtz, Mihir Sadruddin Surani	John Merrill Phillips, Jr., Adithya
<u>DECLARATION</u> As a below named inventor, I hereby declare that:	
This declaration is directed to:	
igsep the attached application; or	
United States Patent Application number	filed on; or
PCT International Application number	filed on
The above-identified application was made or authorized to be	e made by me.
I believe that I am the original inventor or an original joint inventor or an original joint inventor.	entor of a claimed Invention in the
I have reviewed and understand the contents of the above-ide	entified application, and
acknowledge the duty to disclose to the US Patent & Tradema	rk Office all information known to
me to be material to the patentability as defined in 37 CFR 1.5	6.
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.
Malcolm Fratowby/ Malcolm Featonby/ Malcolm Featonby	
January 5, 2017	
Date	

U.S. Patent Appln. No	Attorney Docket No. <u>6924-40400</u>
Filing Date	Client Docket No. <u>P36068-US</u>
Title of Invention: INTERACTION MONITORING F	OR VIRTUALIZED GRAPHICS PROCESSING
Inventors: Malcolm Featonby, Yuxuan Liu, Um Bhat, Douglas Cotton Kurtz, Mihir Sadruddin S	esh Chandani, John Merrill Phillips, Jr., Adithya urani
<u>DECLARATION</u>	
As a below named inventor, I hereby declare th	at:
This declaration is directed to:	
igstyle igstyle igstyle igstyle the attached application; or	
United States Patent Application nu	ımber; or
PCT International Application numb	er filed on
The above-identified application was made or a	authorized to be made by me.
I believe that I am the original inventor or an or application.	riginal joint inventor of a claimed Invention in the
I have reviewed and understand the contents of	f the above-identified application, and
acknowledge the duty to disclose to the US Pat	ent & Trademark Office all information known to
me to be material to the patentability as define	d in 37 CFR 1.56.
I hereby acknowledge that any willful false stat	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:	
Muzeuan liu	
Yuxuan Liu	
2017年1月10日	
Date	

U.S. Patent Appln. No	Attorney Docket N	No. <u>6924-40400</u>
Filing Date	Client Docket	No. <u>P36068-US</u>
Title of Invention: INTERACTION MONITORING FOR VIRT	UALIZED GRAPHICS PROCES	<u>ssing</u>
Inventors: Malcolm Featonby, Yuxuan Liu, Umesh Char Bhat, Douglas Cotton Kurtz, Mihir Sadruddin Surani	ndani, John Merrill Phillips	s, Jr., Adithya
DECLARATION		
As a below named inventor, I hereby declare that:		
This declaration is directed to:		
the attached application; or		
United States Patent Application number	filed on	; or
PCT International Application number	filed on	⁻
The above-identified application was made or authorize	ed to be made by me.	
I believe that I am the original inventor or an original jo application.	int inventor of a claimed Ir	nvention in the
I have reviewed and understand the contents of the abo	ove-identified application,	and
acknowledge the duty to disclose to the US Patent & Tr	ademark Office all informa	ition known to
me to be material to the patentability as defined in 37 (CFR 1.56.	
I hereby acknowledge that any willful false statement m	nade in this declaration is p	ounishable
under 18 USC 1001 by fine or imprisonment of not mor	e than five (5) years, or bo	th.
vinesii dianaan		
January 5, 2017		
Data		

U.S. Patent Appln. No	Attorney Docket No. <u>6924-40400</u>
Filing Date	Client Docket No. <u>P36068-US</u>
Title of Invention: INTERACTION MONITORIN	G FOR VIRTUALIZED GRAPHICS PROCESSING
Inventors: Malcolm Featonby, Yuxuan Liu, L Bhat, Douglas Cotton Kurtz, Mihir Sadruddi	Jmesh Chandani, John Merrill Phillips, Jr., Adithya n Surani
DECLARATION	
As a below named inventor, I hereby declare	e that:
This declaration is directed to:	
igstyle the attached application; or	
United States Patent Application	number filed on; or
PCT International Application nu	mber filed on
The above-identified application was made	or authorized to be made by me.
I believe that I am the original inventor or ar	original joint inventor of a claimed Invention in the
application.	
I have reviewed and understand the content	s 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 def	ined in 37 CFR 1.56.
I hereby acknowledge that any willful false s	tatement 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 John Mervill Phillips In	
John Merrill Phillips, Jr.	
January 10, 2017	
Date	

U.S. Patent Appln. No	Attorney Docket No. <u>6924-40400</u>		
Filing Date	Client Docket No. <u>P36068-US</u>		
Title of Invention: INTERACTION MONITORING FOR VI	RTUALIZED GRAPHICS PROCESSING		
Inventors: Malcolm Featonby, Yuxuan Liu, Umesh Ch Bhat, Douglas Cotton Kurtz, Mihir Sadruddin Surani	andani, John Merrill Phillips, Jr., Adithya		
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The above-identified application was made or author	ized to be made by me.		
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I hereby acknowledge that any willful false statement	made in this declaration is punishable		
under 18 USC 1001 by fine or imprisonment of not me	ore than five (5) years, or both.		
Adithya Bhat			
January 5, 2017			

U.S. Patent Appin. No.	Attorney Docket i	No. <u>6924-40400</u>			
Filing Date	Date Client Docket No. <u>P36068</u>				
Title of Invention: INTERACTION MONITORING FOR	VIRTUALIZED GRAPHICS PROCE	<u>ssing</u>			
Inventors: Malcolm Featonby, Yuxuan Liu, Umesh Bhat, Douglas Cotton Kurtz, Mihir Sadruddin Sura	•	s, Jr., Adithya			
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igotimes the attached application; or					
United States Patent Application numb	per filed on	; or			
PCT International Application number	filed on	······			
The above-identified application was made or autl	horized to be made by me.				
I believe that I am the original inventor or an original application.	nal joint inventor of a claimed Ir	nvention in the			
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acknowledge the duty to disclose to the US Patent	t & Trademark Office all informa	ation known to			
me to be material to the patentability as defined in	n 37 CFR 1.56.				
I hereby acknowledge that any willful false statem	ent made in this declaration is p	ounishable			
under 18 USC 1001 by fine or imprisonment of not	t more than five (5) years, or bo	th.			
Douglas Cotton Kurtz					
January 5, 2017					
Date					

U.S. Patent Appln. No.		Attorney Docket	No. <u>6924-40400</u>
Filing Date		Client Docket	t No. <u>P36068-US</u>
Title of Invention: INTERACTION MONITO	RING FOR VIRTU	ALIZED GRAPHICS PROCE	SSING
Inventors: Malcolm Featonby, Yuxuan Li Bhat, Douglas Cotton Kurtz, Mihir Sadru		lani, John Merrill Phillip	s, Jr., Adithya
<u>DECLARATION</u>			
As a below named inventor, I hereby dec	lare that:		
This declaration is directed to:			
igstyle the attached application; or			
United States Patent Applicat	ion number	filed on	; or
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The above-identified application was ma	de or authorized	to be made by me.	
I believe that I am the original inventor o application.	r an original join	t inventor of a claimed I	nvention in the
I have reviewed and understand the cont	tents of the abov	re-identified application	, and
acknowledge the duty to disclose to the	US Patent & Trad	demark Office all inform	ation known to
me to be material to the patentability as	defined in 37 CF	R 1.56.	
I hereby acknowledge that any willful fals	se statement ma	de in this declaration is	punishable
under 18 USC 1001 by fine or imprisonme	ent of not more	than five (5) years, or bo	oth.
DocuSigned by:			
Milis Sadruddin Surani/			
Mihir Sadruddin Surani			
January 6, 2017			
Date			

Page 11 of 11