504805006 03/05/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4851738

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
AARON D. KRAUSS	02/23/2018
JAMIE R. CABACCANG	02/23/2018
JENNIFER J. CHOI	03/04/2018
MICHELLE TZE HIANG CHUA	02/26/2018
PRIYA GANADAS	02/23/2018
DONNA KATHERINE LONG	02/26/2018
KENNETH LIAM KIEMELE	02/23/2018

RECEIVING PARTY DATA

Name:	MICROSOFT TECHNOLOGY LICENSING, LLC
Street Address:	ONE MICROSOFT WAY
City:	REDMOND
State/Country:	WASHINGTON
Postal Code:	98052

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15912457

CORRESPONDENCE DATA

Fax Number: (425)936-7329

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: 425-707-9382

Email: USDocket@microsoft.com

Correspondent Name: ASSAL MEFTAHI

Address Line 1: ONE MICROSOFT WAY

Address Line 2: PATENT GROUP DOCKETING DEPT Address Line 4: REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	403659-US-NP
NAME OF SUBMITTER:	VLADIMIR A. KOZYREV
SIGNATURE:	/Vladimir A. Kozyrev/
DATE SIGNED:	03/05/2018

504805006 PATENT REEL: 045111 FRAME: 0142

Total Attachments: 14 source=403659-US-NP Executed Assignments#page1.tif source=403659-US-NP Executed Assignments#page2.tif source=403659-US-NP Executed Assignments#page3.tif source=403659-US-NP Executed Assignments#page4.tif source=403659-US-NP Executed Assignments#page5.tif source=403659-US-NP Executed Assignments#page6.tif source=403659-US-NP Executed Assignments#page7.tif source=403659-US-NP Executed Assignments#page8.tif source=403659-US-NP Executed Assignments#page9.tif source=403659-US-NP Executed Assignments#page10.tif source=403659-US-NP Executed Assignments#page11.tif source=403659-US-NP Executed Assignments#page12.tif source=403659-US-NP Executed Assignments#page13.tif source=403659-US-NP Executed Assignments#page13.tif source=403659-US-NP Executed Assignments#page14.tif

PATENT REEL: 045111 FRAME: 0143

PATENT ASSIGNMEN	T MS Docket	No.: <u>403659-US-NP</u>
inventor of subject matter (("INVENTION") disclosed	inventor or an original join and/or claimed in a paten O ON POSITIONAL STATE
ASSIGNEE'S legal LLC, One Microso LEGAL REPRESENT March 5, 2018 the following Offi	ASSIGNOR hereby auth representative, Microsoft ft Way, Redmond, Washing ATIVES), to insert here in part and given Application Notes to the polication	Technology Licensing, gton 98052 (ASSIGNEE'S parentheses (filed on No. 15/912,457 by this
	and was given . Office "	
Microsoft Technology Libehalf of itself and its succe desirous of acquiring, the enti right of priority, in the INVENTI patents derived therefrom, suc for the United States, its DERIVATIVES"));	essors and assigns ("ASSIO re and exclusive rights, ti ION and the APPLICATION (th as continuing applicatio	tle and interest, including the (and all other applications and ns, in whole or in part, in and
ASSIGNOR hereby REPRESENTATIVES to insert t following table for any APPLICA	he Application No., filing	_
Application No.	Filing Date	Office

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, ASSIGNOR's entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

			1			
(2/23	/18			
Inventor's Signature	Date					
Aaron D. KRAUSS			,,,,,,			
Printed Name in English	Printer	d Name ii	n Native	Langua	ge	
	(if oth	er than E	nglish)			

PATENT ASSIGNMENT

MS Docket No.: <u>403659-US-NP</u>

I <u>Jamie R. CABACCANG</u> ("ASS	SIGNOR") am the origin	al inventor or an original join
inventor of subject matter ("INV	VENTION") disclosed a	and/or claimed in a paten
application entitled "DISPLAYIN	G CONTENT BASED	ON POSITIONAL STATE
("APPLICATION"), which:		
oxtimes will be filed. AS	SIGNOR hereby auth	orizes, and requests,
		Technology Licensing,
.	,	iton 98052 (ASSIGNEE'S
•	VES), to insert here in p	,
		No. 15/912,457 by
		ate, and Office, when
known;		,
was filed on	and was given /	Annlication No
	ce "and was given /	
by the following office		
Microsoft Technology Licens	sing. LLC. a Washingtor	n limited liability company, or
behalf of itself and its successor		• • •
desirous of acquiring, the entire a		
right of priority, in the INVENTION	_	_
patents derived therefrom, such as		••
for the United States, its terri		•
DERIVATIVES"));	torres, and an inter-	gii cominico (7.11. 2.07
DERIVATIVES //,		
ASSIGNOR hereby aut	horizes and regu	uests, ASSIGNEE'S LEGAI
REPRESENTATIVES to insert the	•	
following table for any APPLICATIO		_
· · · · · · · · · · · · · · · · · · ·	ing Date	Office Office
Application (10)	ing Date	Office

MS Docket No.: 403659-US-NP

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, ASSIGNOR's entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

2/29/19
Date
Printed Name in Native Language (if other than English)

PATENT REEL: 045111 FRAME: 0147

PATENT ASSIGNMENT MS Docket No.: 403659-US-NP I Jennifer J. CHOI ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "DISPLAYING CONTENT BASED ON POSITIONAL STATE" ("APPLICATION"), which: will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representative, Microsoft Technology Licensing, LLC, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on March 5, 2018 and given Application No. 15/912,457 the following Office _____ _____) this APPLICATION's Application No., filing date, and Office, when known; was filed on _____ and was given Application No by the following Office " Microsoft Technology Licensing, LLC, a Washington limited liability company, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES")); hereby authorizes. ASSIGNOR and requests. ASSIGNEE'S LEGAL REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known: Application No. Filing Date Office

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MS Docket No.: 403659-US-NP

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, ASSIGNOR's entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

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lnyéntor/s Signature

Jennifer J. CHOI

Printed Name in English

Date

Printed Name in Native Language

(if other than English)

PATENT ASSIGNMENT

MS Docket No.: <u>403659-US-NP</u>

joint inventor o	f subject matter titled " <u>DISPLAY</u>	("INVENTION") d	n the original inventor isclosed and/or claims BASED ON POSITIC	ed in a patent
AS LL: LE	SIGNEE'S legal r C, One Microsoft GAL REPRESENTA	epresentative, Mi Way, Redmond, V TIVES), to insert h	y authorizes, and recrosoft Technology Lic Vashington 98052 (ASS ere in parentheses (file Tation No. 15/912,457	censing, IGNEE'S ed on
the AP	e following Office	3	ling date, and Office) this
			given Application No	9. . 1
behalf of itself desirous of acq right of priority, patents derived	and its successuiring, the entire in the INVENTIO therefrom, such	sors and assigns and exclusive ri N and the APPLIC as continuing ap	thington limited liability ("ASSIGNEE"), is entiting ("ASSIGNEE"), is entiting ("ATION (and all other applications, in whole or it foreign countries)	led to, and is , including the oplications and in part, in and
REPRESENTATIV	ES to insert the	e Application No	requests, ASSIGN ., filing date, and O after they are known;	
Application No.		Filing Date	Office	

Page 1 of 2

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, ASSIGNOR's entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

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22 games	Feb. 26, 2018						
Inventor signature	Date						
Michelle Tze Hiang CHUA							
Printed Name in English	Printed Name in Native Language						
	(if other than English)						

PATE	NT ASSIGNMENT MS Docket No.: 403659-US-NP
	a GANADAS ("ASSIGNOR") am the original inventor or an original joint subject matter ("INVENTION") disclosed and/or claimed in a patent
	entitled "DISPLAYING CONTENT BASED ON POSITIONAL STATE"
	DN"), which:
\boxtimes	will be filed. ASSIGNOR hereby authorizes, and requests,
	ASSIGNEE'S legal representative, Microsoft Technology Licensing,
	LLC, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S
	LEGAL REPRESENTATIVES), to insert here in parentheses (filed on March 5, 2018 and given Application No. 15/912,457 by
	the following Office
	APPLICATION's Application No., filing date, and Office, when known;
	was filed on and was given Application No
	by the following Office "";

Microsoft Technology Licensing, LLC, a Washington limited liability company, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

ASSIGNEE'S LEGAL ASSIGNOR hereby authorizes, and requests, REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known;

Application No.	Filing Date	Office
		* 1
.v.		

PATENT ASSIGNMENT MS Docket No.: 403659-US-NP

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, ASSIGNOR's entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

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	2/23/2046
Inventor's Signature	Date
Priya GANADAS	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMEN	T MS Docket	No.: <u>403659-US-NP</u>
I <u>Donna Katherine LON</u> joint inventor of subject matt application entitled " <u>DISPLA</u> ("APPLICATION"), which:	er ("INVENTION") disclose	•
ASSIGNEE'S legal LLC, One Microso LEGAL REPRESENT March 5, 2018 the following Offi	ASSIGNOR hereby auth representative, Microsoft ft Way, Redmond, Washing ATIVES), to insert here in part and given Application Notes to the control of the co	Technology Licensing, gton 98052 (ASSIGNEE'S parentheses (filed on No. 15/912,457 by
\square was filed on by the following (and was given	Application No
Microsoft Technology Libehalf of itself and its succedesirous of acquiring, the entified of priority, in the INVENT patents derived therefrom, sucfor the United States, its DERIVATIVES"));	essors and assigns ("ASSIO re and exclusive rights, ti ION and the APPLICATION th as continuing applicatio	tle and interest, including the (and all other applications and ns, in whole or in part, in and
ASSIGNOR hereby REPRESENTATIVES to insert t following table for any APPLICA	he Application No., filin	
Application No.	Filing Date	Office

MS Docket No.: <u>403659-US-NP</u>

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Instentor's Signature	Date
Donna Katherine LONG	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATE	INT ASSIGNMEN	JT # a a # a	MS Docket	No.: <u>403659-U</u>	<u>S-NP</u>
joint invento application	neth Liam KIEMEI or of subject mat entitled " <u>DISPL</u> DN"), which:	ter ("INVENTIC	N") disclose ENT BASEC	d and/or clain ON POSIT	ned in a pater
	will be filed. ASSIGNEE'S lega LLC, One Microso LEGAL REPRESEN March 5, 2018	l representativ oft Way, Redmo TATIVES), to in	e, Microsoft ond, Washing sert here in I	Technology L pton 98052 (AS parentheses (fil	icensing, SIGNEE'S led on
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pehalf of its desirous of a right of prior patents deriv	soft Technology Lielf and its succeacquiring, the entrity, in the INVENTred therefrom, suited States, its	essors and as ire and exclus ION and the Al ch as continuir	signs ("ASSIC ive rights, til PPLICATION (ng application	GNEE"), is entite tle and interest and all other a ns, in whole or	tled to, and into the control of the
REPRESENTA	NOR hereby TIVES to insert	the Applicatio	n No., filing	g date, and (
Application N	do.	Filing Date		Office	

Page 1 of 2

PATENT ASSIGNMENT MS Docket No.: 403659-US-NP

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**	
in full	04/23/2018
Inventor's Signature	Date
Kenneth Liam KIEMELE	
Printed Name in English	Printed Name in Native Language
	(if other than English)