504883710 04/24/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4930451

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PAUL WILLIAM BUDINICH	04/23/2018
TAO LIU	04/23/2018
KAMERON JEROME BUMB	04/23/2018

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:	15961433

CORRESPONDENCE DATA

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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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Correspondent Name: ARENT FOX LLP
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Address Line 4: WASHINGTON, D.C. 20006

ATTORNEY DOCKET NUMBER:	037834.00984/404152-US-NP
NAME OF SUBMITTER:	COLIN HARRINGTON
SIGNATURE:	/Colin Harrington/
DATE SIGNED:	04/24/2018

Total Attachments: 6

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PATENT 504883710 REEL: 045625 FRAME: 0530

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PATENT REEL: 045625 FRAME: 0531

PATENT ASSIGNMENT MS Docket No.: 404152-US-NP

inventor of application	subject matter ('	'INVENTION") disclo MODULE HAVING	original inventor or an original josed and/or claimed in a pa A REMOVABLY FIXED RETENT	tent
	ASSIGNEE'S legal LLC, One Microsof LEGAL REPRESENT on the following Office	representative, Micr t Way, Redmond, Wa FATIVES), to insert and given Appli te <u>US – United States</u>	authorizes, and requests, rosoft Technology Licensing, ashington 98052 (ASSIGNEE'S here in parentheses (filed location No by Patent and Trademark Office) filing date, and Office, when	
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behalf of itse of acquiring priority, in the derived then United State	elf and its successor , the entire and ex ne INVENTION and efrom, such as con s, its territories, and NOR hereby author	rs and assigns ("ASSIG cclusive rights, title the APPLICATION (ar itinuing applications d all foreign countrie izes, and requests, A	nington limited liability company GNEE"), is entitled to, and is desirn and interest, including the right all other applications and pate, in whole or in part, in and for es ("APPLICATION DERIVATIVES"); ASSIGNEE'S LEGAL REPRESENTAT ice into the following table for	rous it of ents the);
	· Application No., · DERIVATIVES afte		ice into the following table for	any
Application		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"));

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).

Paul Baure Inventor's Signature	4-23-2018 Date
Paul William BUDINICH	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT

subject matt	er ("INVENTION"	") am the original inve ") disclosed and/or cla <u>A REMOVABLY FIXED RE</u>	imed in a patent ap	plication entitled
	ASSIGNEE'S leg LLC, One Micro LEGAL REPRES on the following O	ASSIGNOR hereby pal representative, Mic soft Way, Redmond, W ENTATIVES), to inser and given App iffice <u>US – United States</u> ON's Application No.,	rosoft Technology /ashington 98052 (/ t here in parentho lication No. s Patent and Tradem	Licensing, ASSIGNEE'S eses (filed by lark Office)
		o <u>ril 24, 2018</u> and was o the following Office " <u>L</u>)
behalf of itse of acquiring priority, in the derived ther	elf and its succes , the entire and he INVENTION ai efrom, such as i	Licensing, LLC, a Was sors and assigns ("ASS exclusive rights, title nd the APPLICATION (a continuing application and all foreign countri	IGNEE"), is entitled t and interest, inclu and all other applica s, in whole or in pa	o, and is desirous ding the right of tions and patents irt, in and for the
to insert the	Application No	horizes, and requests, o., filing date, and Of after they are known;		
Application		Filing Date	Office	

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AFDOCS/16263623.1

MS Docket No.: 404152-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).

Gw W	4/23/2018
Inventor's Signature	Date
Tao LIU	刘章
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT MS Docket No.: 404152-US-NP I Kameron Jerome BUMB ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "DISPLAY MODULE HAVING A REMOVABLY FIXED RETENTION" MEMBER" ("APPLICATION"), which: 山 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 and given Application No. by the following Office US – United States Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when

was filed on April 24, 2018 and was given Application No. 15/961433 by the following Office "US":

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"));

ASSIGNOR hereby authorizes, 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	

Page 1 of 2

known;

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).

Inventor's Signature	<u>4-23-20/2</u> Date
Kameron Jerome BUMB	Philipped Minera in Marking I amount
Printed Name in English	Printed Name in Native Language (if other than English)

RECORDED: 04/24/2018