505854085 01/08/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MONIQUE CHATTERJEE	10/28/2019
MATTHEW C. HARVEY	10/30/2019
AUSTIN R. PORTER	11/19/2019
RICHARD T. HANKS	10/28/2019

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State/Country:	WASHINGTON
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	29704062

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NAME OF SUBMITTER:	STEVE S. CHANG
SIGNATURE:	/Steve Chang/
DATE SIGNED:	01/08/2020

Total Attachments: 4

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	ffice) this APPLICAT	ION's Application No.,
Til	ing date, and	l Office, when know	n;	
		30/2019, and was g atent and Trademar	jiven U.S. Serial No. 29 k Office	3/704062
(and all other applica whole or in part, in ar ('APPLICATION DEF ASSIGNOR h	tions and pat nd for the Uni (IVATIVES')) ereby author 3 to insert the	ents derived thereful ted States, its territor; ; izes, and requests, a Application No., fil	in the INVENTION and om, such as continuing ories, and all foreign consisted the ASSIGNEE'S LEGAL ing date, and Office internover;	g applications, in ountries
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	IOR') am the original inventor or an original joint of disclosed and/or claimed in a patent application DN ' ('APPLICATION'), which:
will be filed. ASSIGNO	OR hereby authorizes and requests, ASSIGNEE'S
legal representatives, Corporation, One Mic LEGAL REPRESENT	of the Law and Corporate Affairs Department, Microsoft rosoft Way, Redmond, Washington 98052 (ASSIGNEE'S ATIVES), to insert here in parentheses (filed on given Application Noby the following) this APPLICATION's Application No.
filing date, and Office,	11000000000000000000000000000000000000
Was filed on 8/30/201 by the U.S. Patent ar	9, and was given U.S. Serial No. 29/704062 nd Trademark Office
and assigns ('ASSIGNEE'), is entitled to, rights, title and interest, including the right (and all other applications and patents download or in part, in and for the United State ('APPLICATION DERIVATIVES')); ASSIGNOR hereby authorizes, and	and is desirous of acquiring, the entire and exclusive and is desirous of acquiring, the entire and exclusive at of priority, in the INVENTION and the APPLICATION derived therefrom, such as continuing applications, in ates, its territories, and all foreign countries and requests, ASSIGNEE'S LEGAL cation No., filing date, and Office into the following table ter they are known;
· · · · · · · · · · · · · · · · · · ·	Filing Date Office
Application No.	Filing Date Office
the ASSIGNOR, the ASSIGNOR hereby ASSIGNOR's entire and exclusive rights, INVENTION and the APPLICATION (and such as continuing applications, in whole and all foreign countries ('APPLICATION ASSIGNOR agrees to execute all and prosecution of the APPLICATION (as	instruments and documents required for the making nd APPLICATION DERIVATIVES), for litigation n, and for the purpose of protecting and perfecting title
Printed Name in English	Printed Name in Native Language (non-English)

of subject matter ('INVENTION') disclored in the console with ILLUMINATION' ('A will be filed. ASSIGN legal representative Corporation, One Manager in the constant of the consoler in the con	sed and/or claimed in a p.PPLICATION'), which: NOR hereby authorizes as, of the Law and Corpo licrosoft Way, Redmond, NTATIVES), to insert her and given Application No.	and requests, ASSIGNEE'S rate Affairs Department, Microsoft Washington 98052 (ASSIGNEE'S e in parentheses (filed on
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Microsoft Corporation, a Washin and assigns ('ASSIGNEE'), is entitled the rights, title and interest, including the rights, title and interest, including the rights, title and interest, including the rights and all other applications and patents whole or in part, in and for the United S ('APPLICATION DERIVATIVES')); ASSIGNOR hereby authorizes, REPRESENTATIVES to insert the Application of the page of the company application of the page of the page of the company application of the page of the	eo, and is desirous of acquired ght of priority, in the INV derived therefrom, such states, its territories, and and requests, ASSIGNE plication No., filing date, a	uiring, the entire and exclusive ENTION and the APPLICATION as continuing applications, in all foreign countries E'S LEGAL
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For good and valuable consider the ASSIGNOR, the ASSIGNOR hereb ASSIGNOR's entire and exclusive right INVENTION and the APPLICATION (a such as continuing applications, in who and all foreign countries ('APPLICATION ASSIGNOR agrees to execute and prosecution of the APPLICATION regarding letters patent derived therefore	by sells, assigns and trants, title and interest, incluind all other applications ole or in part, in and for the DN DERIVATIVES')); all instruments and docu (and APPLICATION DEForm, and for the purpose	sfers to the ASSIGNEE, the ding the right of priority, in the and patents derived therefrom, ne United States, its territories, ments required for the making RIVATIVES), for litigation
to the APPLICATION (and APPLICATI	ON DERIVATIVES).	
Austin R. PORTER		<i>11-19-2019</i>
AUSTIN PORTER	Date	
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will be filed. ASS legal representat Corporation, One LEGAL REPRES	IGNOR hereby authorizes a lives, of the Law and Corpora Microsoft Way, Redmond, ENTATIVES), to insert here and given Application No.	ate Affairs Department, Microsoft Washington 98052 (ASSIGNEE'S in parentheses (filed on
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Microsoft Corporation, a Was and assigns ('ASSIGNEE'), is entitle rights, title and interest, including the (and all other applications and paten whole or in part, in and for the United ('APPLICATION DERIVATIVES')); ASSIGNOR hereby authorize REPRESENTATIVES to insert the A for any APPLICATION DERIVATIVE	ed to, and is desirous of acqueright of priority, in the INVE ats derived therefrom, such and States, its territories, and access, and requests, ASSIGNET application No., filing date, and	ENTION and the APPLICATION as continuing applications, in all foreign countries E'S LEGAL
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Jehren Hill	10/28/19	
Ĥichard T. HANKS	Date	
Richard T. Hanks		
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