506050841 05/08/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE:

EPAS ID: PAT6097555

CONVEYING PARTY DATA

Name	Execution Date
RYAN EUGENE WHITAKER	12/10/2019
CARL J. LEDBETTER	01/23/2020

ASSIGNMENT

RECEIVING PARTY DATA

Name:	MICROSOFT CORPORATION
Street Address:	ONE MICROSOFT WAY
City:	REDMOND
State/Country:	WASHINGTON
Postal Code:	98052

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	29716465

CORRESPONDENCE DATA

Fax Number: (202)824-3001

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: (202) 824-3000

Email: bwptopat@bannerwitcoff.com, dminken@bannerwitcoff.com

Correspondent Name: BANNER & WITCOFF, LTD.

Address Line 1: 1100 13TH ST. NW

Address Line 2: STE 1200

Address Line 4: WASHINGTON, D.C. 20005

ATTORNEY DOCKET NUMBER:	013797.13992\US
NAME OF SUBMITTER:	STEVE S. CHANG
SIGNATURE:	/Steve Chang/
DATE SIGNED:	05/08/2020

Total Attachments: 2

source=13992 - Executed Assignments#page1.tif source=13992 - Executed Assignments#page2.tif

> **PATENT** REEL: 052608 FRAME: 0386 506050841

PATENT ASSIGNMENT

I, Ryan Eugene WHITAKER ('A inventor of subject matter ('INVENTION entitled 'CONTROLLER' ('APPLICATION OF THE PROPERTY OF T	N') disclosed and				
legal representative Corporation, One N LEGAL REPRESE 12/10/2019	es, of the Law and dicrosoft Way, Re NTATIVES), to in and given Applica & Trademark Of	norizes and requests, ASS d Corporate Affairs Depart dmond, Washington 9805 sert here in parentheses (tion No. 29/716465 fice) this APPLICATION's	tment, Microsoft 52 (ASSIGNEE'S (filed on by the following		
was filed on , and v by the U.S. Patent					
Microsoft Corporation, a Washi and assigns ('ASSIGNEE'), is entitled rights, title and interest, including the r (and all other applications and patents whole or in part, in and for the United ('APPLICATION DERIVATIVES')); ASSIGNOR hereby authorizes, REPRESENTATIVES to insert the Application DERIVATIVES	to, and is desirou ight of priority, in derived therefror States, its territori , and requests, A plication No., filing	s of acquiring, the entire a the INVENTION and the A n, such as continuing app es, and all foreign countric SSIGNEE'S LEGAL g date, and Office into the	and exclusive APPLICATION dications, in es		
Application No.	iling 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, the 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).					
Ryan Eugene WHITAKER		<u>~ ≀≎ </u>	.00018862222444444444444444444000000000000000		
Printed Name in English					
inteditation mighan	Printed I	Name in Native Language	(non-English)		

PATENT REEL: 052608 FRAME: 0387

Atty. Ref: 013797.13992\US MS# 407945-US-DP

PATENT ASSIGNMENT

I, Carl J. LEDBETTER ('ASSIGNOR') a of subject matter ('INVENTION') disclosed and 'CONTROLLER' ('APPLICATION'), which:					
will be filed. ASSIGNOR he legal representatives, of th Corporation, One Microsof LEGAL REPRESENTATIV 12/10/2019 and give	e Law and Corpora : Way, Redmond, ES), to insert here n Application No. nark Office) this	ate Affairs Department, Microsoft Washington 98052 (ASSIGNEE'S in parentheses (filed on			
was filed on , and was given U.S. Serial No. by the U.S. Patent and Trademark Office					
Microsoft Corporation, a Washington C and assigns ('ASSIGNEE'), is entitled to, and rights, title and interest, including the right of p (and all other applications and patents derived whole or in part, in and for the United States, i ('APPLICATION DERIVATIVES')); ASSIGNOR hereby authorizes, and recrept REPRESENTATIVES to insert the Application for any APPLICATION DERIVATIVES after the	s desirous of acquiriority, in the INVE therefrom, such at territories, and aquests, ASSIGNEI No., filing date, and	uiring, the entire and exclusive ENTION and the APPLICATION as continuing applications, in all foreign countries E'S LEGAL			
Application No. Filing Date	 e	Office			
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
For good and valuable consideration, to the ASSIGNOR, the ASSIGNOR hereby sells, ASSIGNOR's entire and exclusive rights, title INVENTION and the APPLICATION (and all of such as continuing applications, in whole or in and all foreign countries ('APPLICATION DER ASSIGNOR agrees to execute all instrand prosecution of the APPLICATION (and AF regarding letters patent derived therefrom, and to the APPLICATION (and APPLICATION DE	assigns and trans and interest, include their applications a part, in and for the IVATIVES')); uments and documents and for the IVATIVES and the purpose of RIVATIVES).	sfers to the ASSIGNEE, the ding the right of priority, in the and patents derived therefrom, as United States, its territories, ments required for the making IVATIVES), for litigation			
the ASSIGNOR, the ASSIGNOR hereby sells, ASSIGNOR's entire and exclusive rights, title INVENTION and the APPLICATION (and all o such as continuing applications, in whole or in and all foreign countries ('APPLICATION DER ASSIGNOR agrees to execute all instrand prosecution of the APPLICATION (and AF regarding letters patent derived therefrom, and to the APPLICATION (and APPLICATION DE	assigns and trans and interest, include ther applications a part, in and for the IVATIVES')); uments and docum PPLICATION DER I for the purpose of RIVATIVES).	sfers to the ASSIGNEE, the ding the right of priority, in the and patents derived therefrom, as United States, its territories, ments required for the making IVATIVES), for litigation			
the ASSIGNOR, the ASSIGNOR hereby sells, ASSIGNOR's entire and exclusive rights, title INVENTION and the APPLICATION (and all o such as continuing applications, in whole or in and all foreign countries ('APPLICATION DER ASSIGNOR agrees to execute all instrand prosecution of the APPLICATION (and AF regarding letters patent derived therefrom, and to the APPLICATION (and APPLICATION DE	assigns and trans and interest, include their applications a part, in and for the IVATIVES')); uments and documents and for the IVATIVES and the purpose of RIVATIVES).	sfers to the ASSIGNEE, the ding the right of priority, in the and patents derived therefrom, as United States, its territories, ments required for the making IVATIVES), for litigation			

RECORDED: 05/08/2020

PATENT REEL: 052608 FRAME: 0388