505819160 12/13/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ELLIOTT HSU	08/07/2019
TSITSI KOLAWOLE	06/24/2019
JOSH WEIHER	04/25/2019
SHEA ROBINSON	08/19/2019
AARON SCHMITZ	08/21/2019
DAN THORSTENSON	05/13/2019
DUSTIN TIFFANY	10/23/2019
GABRIEL MICHAEL RASK GASSOWAY	10/15/2019

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:	29686513

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.

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

Correspondent Name: BANNER & WITCOFF, LTD.

Address Line 1: 1100 13TH ST. NW

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Address Line 4: WASHINGTON, D.C. 20005

ATTORNEY DOCKET NUMBER:	013797.13744\US
NAME OF SUBMITTER:	STEVE S. CHANG
SIGNATURE:	/Steve Chang/

DATE SIGNED:	12/13/2019
Total Attachments: 8	
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I, Elliott HSU ('ASSIGNOR') am subject matter ('INVENTION') disclosed 'CONTROLLER' ('APPLICATION'), where the subject is the subject of the s	d and/or claimed i	itor or an original joint inventor of n a patent application entitled	
legal representative Corporation, One M LEGAL REPRESEN an Office filing date, and Office	s, of the Law and icrosoft Way, Red ITATIVES), to ins nd given Application, when known; 9, and was given	U.S. Serial No. 29/686513	crosoft SNEE'S owing
Microsoft Corporation, a Washir and assigns ('ASSIGNEE'), is entitled to rights, title and interest, including the right (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 and APPLICATION DERIVATIVES:	o, and is desirous ght of priority, in the derived therefrom states, its territoried and requests, AS lication No., filing	ne INVENTION and the APPLICAT , such as continuing applications, i s, and all foreign countries SIGNEE'S LEGAL date, and Office into the following	sive FION in
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I, Josh WEIHER ('ASSIGN(subject matter ('INVENTION') disci 'CONTROLLER' ('APPLICATION')	osed and/or claimed in a pa	or an original joint inventor of tent application entitled
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I, Shea ROBINSON ('ASSI subject matter ('INVENTION') disc 'CONTROLLER' ('APPLICATION')	losed and/o		or or an original joint inventor of ent application entitled
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Jonathan Shea Robinson			
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i, Aaron SCHWITZ (ASSIGNO subject matter ('INVENTION') disclose CONTROLLER' ('APPLICATION'), w	ed and/or claimed in a pate	
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Microsoft Corporation, a Wash and assigns ('ASSIGNEE'), is entitled rights, title and interest, including the responsible of the applications and patents whole or in part, in and for the United ('APPLICATION DERIVATIVES')); ASSIGNOR hereby authorizes REPRESENTATIVES to insert the Apfor any APPLICATION DERIVATIVES	to, and is desirous of acquight of priority, in the INVE derived therefrom, such a States, its territories, and a , and requests, ASSIGNET plication No., filing date, ar	tiring, the entire and exclusive NTION and the APPLICATION as continuing applications, in all foreign countries
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I, Dan THOR inventor of subject me entitled 'CONTROLL	atter ('INVEI	NTION') disclosed ar	a original inv nd/or claime	ventor or an original joint ad in a patent application	
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I, Dustin TIFFANY ('ASSIG's subject matter ('INVENTION') disclution ('CONTROLLER' ('APPLICATION')	osed and/or claimed in a pat	or or an original joint inventor of ent application entitled
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I, Gabriel Michael Rask GAS original joint inventor of subject mat application entitled 'CONTROLLER			
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legal representa Corporation, On LEGAL REPRE	tives, of the Law and Corpor e Microsoft Way, Redmond, SENTATIVES), to insert here and given Application No.	ate Affairs Department, Microsoft Washington 98052 (ASSIGNEE'S in parentheses (filed on	
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	/2019, and was given U.S. Se ent and Trademark Office	erial No. 29/686513	
Microsoft Corporation, a Washington Corporation, 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	
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). ARRILL M.R. (SASSOWAY Date Dat			
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PATENT REEL: 051272 FRAME: 0197

RECORDED: 12/13/2019