# 505854125 01/08/2020

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5901062

SUBMISSION TYPE:		NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY	ΔΑΤΑ				
		Name	Execution Date		
ADITHA MAY ADAMS			07/01/2019		
BENJAMIN BOESEL			12/19/2019		
CHRISTOPHER H. KU	JAWSKI		08/26/2019		
RECEIVING PARTY D	ΑΤΑ				
Name:	MICROS	OFT CORPORATION			
Street Address:		CROSOFT WAY			
City:	REDMO	ND			
State/Country:	WASHIN	IGTON			
Postal Code:					
	S Total: 1				
Property Type		Number			
Application Number:	2	9693219			
Application Number: CORRESPONDENCE		9693219			
CORRESPONDENCE	DATA	202)824-3001			
CORRESPONDENCE Fax Number: Correspondence will a	DATA (2 be sent to a				
CORRESPONDENCE Fax Number: Correspondence will a	DATA (2 be sent to a f provided; (2	202)824-3001 the e-mail address first; if that is unsuc if that is unsuccessful, it will be sent v 202) 824-3000	ria US Mail.		
CORRESPONDENCE Fax Number: <i>Correspondence will i</i> <i>using a fax number, if</i> Phone: Email:	DATA (2 be sent to f provided; (2 b	202)824-3001 the e-mail address first; if that is unsuc if that is unsuccessful, it will be sent v 202) 824-3000 wptopat@bannerwitcoff.com, dminken@l	ria US Mail.		
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CORRESPONDENCE Fax Number: Correspondence will a using a fax number, if Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 2: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER SIGNATURE:	DATA (2 be sent to a f provided; (2 b : B 1 S V IUMBER:	202)824-3001 the e-mail address first; if that is unsue if that is unsuccessful, it will be sent v 202) 824-3000 wptopat@bannerwitcoff.com, dminken@b ANNER & WITCOFF, LTD. 100 13TH ST. NW STE 1200 VASHINGTON, D.C. 20005 013797.13804\US STEVE S. CHANG /Steve Chang/	ria US Mail.		
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#### PATENT ASSIGNMENT

	INVENTION	l') disclosed and/or	he original inventor of claimed in a patent	or an original joint inventor application entitled
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L	will be filed.	. ASSIGNOR heret	by authorizes and rec	uests, ASSIGNEE'S
	legal repres	entatives, of the L	aw and Corporate Af	fairs Department, Microsoft
	Corporation	ı, One Microsoft W		ington 98052 (ASSIGNEE'S
		and given A	pplication No.	by the following
	Office			ICATION's Application No.,
		and Office, when ki		•••
X		5/31/2019, and w Patent and Trade	as given U.S. Serial mark Office	No. 29/693219

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;

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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 fetters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

Aditha Date

Printed Name in English

Printed Name in Native Language (non-English)

PATENT REEL: 051455 FRAME: 0149

#### PATENT ASSIGNMENT

I, Benjamin BOESEL ('ASSIGNOR') am the original inventor or an original joint inventor of subject matter ('INVENTION') disclosed and/or claimed in a patent application entitled 'CONTROLLER' ('APPLICATION'), which:

> will be filed. ASSIGNOR hereby authorizes and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, 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 ) this APPLICATION's Application No., filing date, and Office, when known:

X	was filed on 5/31/2019,	and was given U.S.	Serial No.	29/693219
	by the U.S. Patent and	Trademark Office		

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).

12/19/19

Benjamin BOESEL

BENJAMIN BOESFI

Printed Name in English

Printed Name in Native Language (non-English)

### PATENT ASSIGNMENT

I, Christopher H. KUJAWSKI ('ASSIGNOR') am the original inventor or an original joint inventor of subject matter ('INVENTION') disclosed and/or claimed in a patent application entitled '**CONTROLLER** ' ('APPLICATION'), which:

will be filed. ASSIGNOR hereby authorizes and requests, ASSIGNEE'S
legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, 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 \_\_\_\_\_\_) this APPLICATION's Application No., filing date, and Office, when known;

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;

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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'));

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Christophek H. KUJAWSKI

Printed Name in English

Date

Printed Name in Native Language (non-English)

X was filed on 5/31/2019, and was given U.S. Serial No. 29/693219 by the U.S. Patent and Trademark Office