506709640 06/10/2021

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
STEVEN VICTOR BALLS	04/20/2021	

RECEIVING PARTY DATA

Name: MICROSOFT TECHNOLOGY LICENSING, LLC.	
Street Address: ONE MICROSOFT WAY	
City: REDMOND	
State/Country: WASHINGTON	
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PROPERTY NUMBERS Total: 1

Property Type	Number			
Application Number:	17344703			

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ATTORNEY DOCKET NUMBER:	MS1-9567US
NAME OF SUBMITTER:	FRIEDA CRAMER
SIGNATURE:	/Frieda Cramer/
DATE SIGNED:	06/10/2021

Total Attachments: 2

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PATENT 506709640 REEL: 056505 FRAME: 0769

MS Docket No.: <u>409704-US-NP</u> Attorney Docket No.: <u>MS1-9567US</u>

PATENT ASSIGNMENT

1 <u>S</u>	teve	en Victor	BALLS (("ASSIGNOR") am	n the origir	ıal inven	tor or an	orig	gina	al joint
inventor	of	subject	matter	("INVENTION")	disclosed	and/or	claimed	in	a	patent
applicatio	n e	ntitled " <u>l</u>	HARDWA	RE AND SOFTWA	ARE ROUTE	<u>R</u> " ("APPL	ICATION"), wl	hic	h:

X	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 June 10, 2021 and given Application No. 17/344,703 by
	the following Office United States Patent and Trademark Office) this
	APPLICATION's Application No., filing date, and Office, when known
	was filed on and was given Application
	No by the following Office
	"

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

MS Docket No.: 409704-US-NP Attorney Docket No.: MS1-9567US

PATENT ASSIGNMENT

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).

	20/4/21
Inventor's Signature	Date
Steven Victor Balls	
Printed Name in English	Printed Name in Native Language
	(if other than English)