507129471 02/15/2022

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7176311

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PAUL KOS	09/25/2019
MASAAKI FUKUMOTO	09/10/2019
SIYUAN MA	09/10/2019

RECEIVING PARTY DATA

Name:	MICROSOFT TECHNOLOGY LICENSING, LLC	
Street Address: ONE MICROSOFT WAY		
City: REDMOND		
State/Country: WASHINGTON		
Postal Code: 98052		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17631579

CORRESPONDENCE DATA

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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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ATTORNEY DOCKET NUMBER:	407231-US-PCT/1777.D85US1
NAME OF SUBMITTER:	TYLYN MOORE
SIGNATURE:	/tylyn moore/
DATE SIGNED:	02/15/2022

Total Attachments: 7

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> PATENT REEL: 059012 FRAME: 0488

RECORDATION FORM COVER SHEET PATENTS ONLY

Attv Ref/Docket No.: 407231-US-PCT (1777.D85US1) Patent and Trademark Office To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Name: Microsoft Technology Licensing, LLC Paul KOS, Masaaki Fukumoto, Siyuan Ma Street Address: One Microsoft Way Additional name(s) of conveying party(ies) attached? City: Redmond State: WA Zip Country: United States of America Zip: 98052 []Yes [X]No 3. Nature of conveyance: Additional name(s) & address(es) attached? []Yes [X]No [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other Execution Date: <u>September 25, 2019, September 10, 2019, September 10, 2019</u> 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: B. Patent No.(s) A. Patent Application No.(s) Serial No. 17/631,579 Additional numbers attached? []Yes [X]No 6. Total number of applications and patents involved: 1 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41):\$ 0.00 Name: Andrew R. Peret [[Enclosed [Authorized to be charged to deposit account Address: 19-0743 Schwegman Lundberg & Woessner, P.A. P.O. Box 2938 Please charge any additional fees or credit any over Minneapolis, Minnesota 55402 payments to our Deposit Account No.: 19-0743 DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. 1 andrew Peret 1
Signature Andrew R. Peret/Reg. No. 41,246 Name of Person Signing Total number of pages including cover sheet: 7 Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks Mail Stop Assignment Recordation Services P.O. Box 1450

Alexandria, VA 22313-1450

PATENT REEL: 059012 FRAME: 0489

PATENT ASSIGNMENT MS Docket No.:407231-WO-PCT

subject matr "DYNAMIC	ter ("INVENTION")	disclosed and/or claimed PERCEPTIBLE FEEDBACK	r or an original joint inventor of in a patent application entitled C FOR A ROTARY CONTROL
	ASSIGNEE'S legal LLC, One Microso LEGAL REPRESEN and given Applica	ASSIGNOR hereby aut representative, Microsof oft Way, Redmond, Washin TATIVES), to insert here ation No.	t Technology Licensing, gton 98052 (ASSIGNEE'S in parentheses (filed on _ by the following Office
	PCT/CN2019/105	ember 10, 2019 and was of the following Of the following Of the Administration, PRC(RO	fice " <u>National</u>
behalf of its desirous of a right of prior patents deriv	elf and its succe acquiring, the enti ity, in the INVENTI red therefrom, suc ted States, its	ssors and assigns ("ASSI re and exclusive rights, t ON and the APPLICATION h as continuing application	on limited liability company, on GNEE"), is entitled to, and is itle and interest, including the (and all other applications and ons, in whole or in part, in and ign countries ("APPLICATION
REPRESENTA	TIVES to insert t		g date, and Office into the
Application N		TION DERIVATIVES after to Filing Date	Office
		raing Date	Onice

Page 1 of 2

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).

09/25/2019 Date
Printed Name in Native Language (if other than English)
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l <u>Masaaki FUKUMOTO</u>	("ASSIGNOR") am the ori	ginal inventor or an original
joint inventor of subject matte	er ("INVENTION") disclosed	d and/or claimed in a patent
application entitled "DYNAN	MICALLY PROVIDING PER	CEPTIBLE FEEDBACK FOR A
ROTARY CONTROL COMPONEN	<u>VT</u> " ("APPLICATION"), which	:h:
ASSIGNEE'S leg Licensing, LLC, 98052 (ASSIGNEE parentheses (filed No.	ASSIGNOR hereby authorial representative, Microsoft Way, Res'S LEGAL REPRESENTATIVE on by ON's Application No., fil	crosoft Technology edmond, Washington /ES), to insert here in and given Application the following Office
PCT/CN2019/10	ember 10, 2019 and was 5050 by the following O rty Administration, PRC(R	ffice " <u>National</u>
Microsoft Technology Li on behalf of itself and its succ desirous of acquiring, the ent the right of priority, in the applications and patents deri whole or in part, in and for countries ("APPLICATION DERIV	essors and assigns ("ASSI fre and exclusive rights, INVENTION and the A ved therefrom, such as the United States, its	title and interest, including PPLICATION (and all other continuing applications, in
ASSIGNOR hereby a	uthorizes, and requ	ests, ASSIGNEE'S LEGAL
REPRESENTATIVES to Insert th	e Application No., filing	date, and Office into the
following table for any APPLICA	TION DERIVATIVES after t	hey are known;
Application No.	Filing Date	Office

Page 1 of 2

<u>PCT</u>

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"));

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福本雅朗	Sep., 10, 2019
Inventor's Signature	Date
Masaaki FUKUMOTO	福本雅朗
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT MS Docket No.:407231-WO-PCT

I <u>Siy</u>	<u>uan MA</u> ("ASSIGNC	R") am the original invent	or or an original joint inventor
of subject	matter ("INVENTIO	N") disclosed and/or clai	med in a patent application
	•		<u>ACK FOR A ROTARY CONTROL</u>
<u>COMPONEN</u>	I_" ("APPLICATION")	, which: " A A A A A A A A A A A A A A A A A A	
	will be filed.	ASSIGNOR hereby auth	orizes, and requests.
	ASSIGNEE'S legal LLC, One Microso	representative, Microsoft ft Way, Redmond, Washing FATIVES), to insert here in	Technology Licensing, pton 98052 (ASSIGNEE'S
	and given Applica	tion No.	by the following Office
		N's Application No., filing	
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	en kalaja mer		
Microbehalf of it desirous of right of pric patents deri for the Ur DERIVATIVE	PCT/CN2019/105 Intellectual Propersolution Intellectual Pr	ssors and assigns ("ASSIG re and exclusive rights, ti ON and the APPLICATION h as continuing applicatio territories, and all forei	ice " <u>National</u>
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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, 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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