PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NIKOLAOS KARIANAKIS	11/11/2019
ZICHENG LIU	11/11/2019
YINPENG CHEN	11/19/2019

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:	17644899

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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Email: usdocket@microsoft.com

Correspondent Name: MICROSOFT CORPORATION

Address Line 1: ONE MICROSOFT WAY

Address Line 4: REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	407442-US-CNT
NAME OF SUBMITTER:	CATHERINE POLANCE
SIGNATURE:	/Catherine Polance/
DATE SIGNED:	02/23/2022

Total Attachments: 6

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PATENT REEL: 059077 FRAME: 0165

EPAS ID: PAT7190593

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PATENT REEL: 059077 FRAME: 0166

PATENT ASSIGNMENT

I <u>Nikolaos KARIANAKIS</u> ("ASSIGNOR") am the original inventor or an original joint

MS Docket No.: 407442-US-NP

inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "DEPTH-BASED OBJECT RE-IDENTIFICATION" ("APPLICATION"), which:

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by the following O	fice "		***********	***************************************		59 <u>.</u> . 1

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
17/644,899	December 17, 2021	U.S. Patent and Trademark Offic

MS Docket No.: 407442-US-NP

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).

Inventor's Signature

11/11/2013

Date

Nikolaos KARIANAKIS

Printed Name in English

Νικόλους Καριανάκης

Printed Name in Native Language

(if other than English)

PATENT ASSIGNMENT

MS Docket No.: <u>407442-US-NP</u>

	I <u>Zic</u>	<u>heng LIL</u>	'("ASSIGNOR") <u>ل</u>	') am the or	iginal inv	entor or	an (origin	al joi	nt inventor
of	subject	matter	("INVENTION"	') disclosed	and/or	claimed	in	a pa	tent a	application
en	titled " <u>D</u> [EPTH-BA	SED OBJECT R	E-IDENTIFIC	CATION"	("APPLICA	ATIO	N"), v	vhich:	

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	11/11/2019
Inventor's Signature	Date
	刘自成
Zicheng LIU	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT

l <u>Yir</u>	peng CHI	EN ("ASS	SIGNOR")	am th	e original	invento	or ar	orig	inal	joint
inventor o	f subject	matter	("INVEN	TION")	disclosed	and/or	claime	d in	ар	atent
application	entitled	" <u>DEPTH</u>	-BASED	OBJECT	Γ RE-IDEN	<u>ITIFICATI</u>	<u>ON</u> " ("	APPLIC	CATI	ON"),
which:										

MS Docket No.: <u>407442-US-NP</u>

will b	e filed.	ASSIGNOR	hereby	authoriz	es, and	l requ	iests,
ASSIGN	NEE'S lega	l representat	ive, Micr	osoft Ted	hnology	/ Licen	sing,
LLC, O	ne Micros	oft Way, Redr	mond, Wa	shington	98052	(ASSIGI	NEE'S
LEGAL	REPRESEN	ITATIVES), to	insert he	re in pare	ntheses	(filed o	on
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APPLIC	ATION's	Application	No., filir	ng date,	and O	ffice, v	when
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	ASSIGN LLC, O LEGAL Novemb the fol APPLIC known	ASSIGNEE'S legal LLC, One Micros LEGAL REPRESEN November 19, 20 the following Of APPLICATION's known;	ASSIGNEE'S legal representate LLC, One Microsoft Way, Redrict LEGAL REPRESENTATIVES), to November 19, 2019 and given the following Office U.S. Pate APPLICATION's Application known;	ASSIGNEE'S legal representative, Microsoft Way, Redmond, Wallegal REPRESENTATIVES), to insert her November 19, 2019 and given Applicative following Office U.S. Patent and Transport APPLICATION's Application No., filing known;	ASSIGNEE'S legal representative, Microsoft TecLLC, One Microsoft Way, Redmond, Washington LEGAL REPRESENTATIVES), to insert here in pare November 19, 2019 and given Application No. 1 the following Office U.S. Patent and Trademark Of APPLICATION's Application No., filing date, known; was filed on and was given App	ASSIGNEE'S legal representative, Microsoft Technology LLC, One Microsoft Way, Redmond, Washington 98052 (LEGAL REPRESENTATIVES), to insert here in parentheses November 19, 2019 and given Application No. 16/688,9 the following Office U.S. Patent and Trademark Office APPLICATION's Application No., filing date, and Office known;	APPLICATION's Application No., filing date, and Office, known; was filed on and was given Application No

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	11/19/2019		
Inventor's Signature	Date		
	陈寅鹏		
Yinpeng CHEN			
Printed Name in English	Printed Name in Native Language		
	(if other than English)		

RECORDED: 02/23/2022