507095875 01/26/2022

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7142713

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PU LIU	01/20/2022
YINGCHANG CHARLEY ZHANG	01/21/2022
LUCIUS B. FLEUCHAUS	01/22/2022
PHILIP JOSEPH HALLIN	01/21/2022
AKSHAY KISHOR KULKARNI	01/25/2022
DEYANG GU	01/21/2022

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:	17585132

CORRESPONDENCE DATA

Fax Number: (816)421-5547

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.

Phone: 816-474-6550

Email: kolivas@shb.com, ipdocket@shb.com

Correspondent Name: MICROSOFT TECHNOLOGY LICENSING, LLC SHOO

Address Line 1: INTELLECTUAL PROPERTY DEPARTMENT

Address Line 2: 2555 GRAND BOULEVARD

Address Line 4: KANSAS CITY, UNITED STATES 64108-2613

ATTORNEY DOCKET NUMBER:	410779-US-NP/378510
NAME OF SUBMITTER:	KARLA OLIVAS
SIGNATURE:	/Karla Olivas/
DATE SIGNED:	01/26/2022

PATENT 507095875 REEL: 058781 FRAME: 0635

Total Attachments: 12 source=2022-01-20 - US - Executed Assignments#page1.tif source=2022-01-20 - US - Executed Assignments#page2.tif source=2022-01-20 - US - Executed Assignments#page3.tif source=2022-01-20 - US - Executed Assignments#page4.tif source=2022-01-20 - US - Executed Assignments#page5.tif source=2022-01-20 - US - Executed Assignments#page6.tif source=2022-01-20 - US - Executed Assignments#page7.tif source=2022-01-20 - US - Executed Assignments#page8.tif source=2022-01-20 - US - Executed Assignments#page9.tif source=2022-01-20 - US - Executed Assignments#page10.tif source=2022-01-20 - US - Executed Assignments#page11.tif source=2022-01-20 - US - Executed Assignments#page11.tif

PATENT REEL: 058781 FRAME: 0636

inventor of application 6	subject matter ("	INVENTION") disclosed a	al inventor or an original joint nd/or claimed in a patent CATE IN DIGITAL CERTIFICATE
	ASSIGNEE'S legal re Grand Blvd., Kansa REPRESENTATIVES) on 2022-01-26 the following Of	ASSIGNOR hereby author epresentative, Shook, Hard s City, Missouri 64108–26 , to insert here inand given Application ffice plication No., filing date, ar	ly & Bacon L.L.P., 2555 613 (ASSIGNEE'S LEGAL parentheses (filed No. <u>17585132</u> by this
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behalf of itse of acquiring priority, in the derived there	elf and its successors, the entire and exc ne INVENTION and t efrom, such as cont	s and assigns ("ASSIGNEE"), clusive rights, title and in he APPLICATION (and all o tinuing applications, in wh	limited liability company, on is entitled to, and is desirous terest, including the right of ther applications and patents tole or in part, in and for the PLICATION DERIVATIVES"));
to insert the	Application No., f	iling date, and Office into	EE'S LEGAL REPRESENTATIVES the following table for any
Application	I DERIVATIVES after No.	Filing Date	Office

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	//20/2022 Date
Pu LIU Printed Name in English	Printed Name in Native Language (if other than English)

or an origina a patent ap	l joint inventor of su	ıbject matter ("INVENTION' EMBEDDING INTERMEDIA	OR") am the original inventor ') disclosed and/or claimed in TE CERTIFICATE IN DIGITAL
	ASSIGNEE'S legal regrand Blvd., Kansa REPRESENTATIVES) on 2022-01-26 the following Of	ASSIGNOR hereby author epresentative, Shook, Hard s City, Missouri 64108–26, to insert here in and given Application ffice blication No., filing date, ar	y & Bacon L.L.P., 2555 i13 (ASSIGNEE'S LEGAL parentheses (filed No. <u>17585132</u> by this
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Inventor's Signature Date

Yingchang Charley ZHANG

Printed Name in English

Printed Name in Native Language (if other than English)

original joint inventor of	subject matter ("INVE	SSIGNOR") am the original inventor NTION") disclosed and/or claime TERMEDIATE CERTIFICATE IN DI	d in a
CERTIFICATE " ("APPLICAT		(EMMEDIATE CERTIFICATE III D)	GHIAL.
ASSIGNEE'S lo Grand Blvd., REPRESENTA [*] on <u>2022-01-2</u> the followir	egal representative, SI Kansas City, Missouri TIVES), to insert 6and given A ig Office	eby authorizes, and requests, hook, Hardy & Bacon L.L.P., 2555 64108-2613 (ASSIGNEE'S LEGAL here in parentheses (filed application No. 17585132 by this ng date, and Office, when known;	
□ was filed on	a	and was given Application No	
	by the following		
behalf of itself and its succ of acquiring, the entire ar priority, in the INVENTION derived therefrom, such as	essors and assigns ("And exclusive rights, ti and the APPLICATION s continuing application	Vashington limited liability compains (ASSIGNEE"), is entitled to, and is desitted to and is desitted and interest, including the right (and all other applications and part, in and formations ("APPLICATION DERIVATIVES")	sirous ght of atents or the
ASSIGNOR hereby au	ithorizes, and request	ts, ASSIGNEE'S LEGAL REPRESENTA	ATIVES
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Page 1 of 2

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Inventor's Signature

Date

Lucius B. FLEUCHAUS

Printed Name in English

Printed Name in Native Language
(if other than English)

patent appli	oint inventor of subj	ect matter ("INVENTION") EMBEDDING INTERMEDIA	R") am the original inventor or disclosed and/or claimed in a TE CERTIFICATE IN DIGITAL
	ASSIGNEE'S legal re Grand Blvd., Kansa REPRESENTATIVES) on <u>2022-01-26</u> the following Of	and given Application	dy & Bacon L.L.P., 2555 51 3 (ASSIGNEE'S LEGAL parentheses (filed No. <u>17585132</u> by this
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behalf of itse of acquiring, priority, in the derived there	If and its successors the entire and exc ne INVENTION and the efrom, such as cont	s and assigns ("ASSIGNEE"), clusive rights, title and in ne APPLICATION (and all o inuing applications, in wh	limited liability company, on is entitled to, and is desirous terest, including the right of ther applications and patents tole or in part, in and for the PLICATION DERIVATIVES"));
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	Attorney Docket No. 410779-US-NP/378510
<u> </u>	
the ASSIGNOR, the ASSIGNOR here SIGNOR's entire and exclusive right the INVENTION and the APPLICATIO refrom, such as continuing applice	ation, the receipt of which is hereby acknowledged eby sells, assigns and transfers to the ASSIGNEE, s, title and interest, including the right of priority, DN (and all other applications and patents derived ations, in whole or in part, in and for the United ountries ("APPLICATION DERIVATIVES"));
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	PATENT AS	SIGNMENT	
S CONTRACTOR CONTRACTO	Akshay Kishor KULKARNI	("ASSIGNOR") a	m the original inventor
a patent ap	l joint inventor of subject matte plication entitled " <u>EMBEDDIN</u> _" ("APPLICATION"), which:		
	will be filed. ASSIGNOR ASSIGNEE'S legal representative Grand Blvd., Kansas City, Miss REPRESENTATIVES), to insecon 2022-01-26 and give the following Office APPLICATION's Application No.	re, Shook, Hardy & Ba ouri 64108–2613 (AS ert here in pare en Application No	con L.L.P., 2555 SIGNEE'S LEGAL entheses (filed 7585132 by) this
	was filed on	and was given App	olication No
	by the follow	wina 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.	_ #	Office
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Dall-	01/25/2022
Inventor's Signature	Date
Akshay Kishor KULKARNI	अक्षय कुलमधी
Printed Name in English	Printed Name in Native Language
	(if other than English)

joint invento	r of subject matter ntitled " <u>EMBEDDING</u>	("INVENTION") disclosed	riginal inventor or an original and/or claimed in a patent ATE IN DIGITAL CERTIFICATE
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