506756119 07/08/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT6802936

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LISA RU-FENG HSU	11/20/2020
HITESH BALLANI	11/08/2020
DOUGLAS M. CARMEAN	10/08/2020
CHRISTIAN L. BELADY	07/07/2021

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:	16917875

CORRESPONDENCE DATA

Fax Number: (801)532-7543

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: 8015321500

Email: mspatent@rqn.com, usdocket@microsoft.com RAY QUINNEY & NEBEKER - MICROSOFT **Correspondent Name:**

36 SOUTH STATE STREET Address Line 1:

Address Line 2: **SUITE 1400**

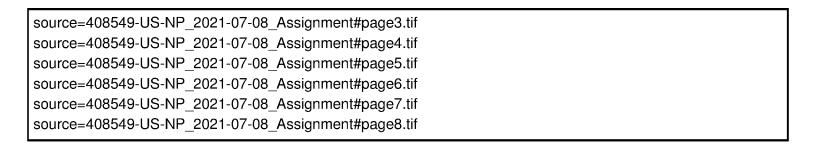
Address Line 4: SALT LAKE CITY, UTAH 84111

ATTORNEY DOCKET NUMBER:	408549-US-NP
NAME OF SUBMITTER:	THOMAS M. HARDMAN
SIGNATURE:	/Thomas M. Hardman/
DATE SIGNED:	07/08/2021

Total Attachments: 8

source=408549-US-NP 2021-07-08 Assignment#page1.tif source=408549-US-NP_2021-07-08_Assignment#page2.tif

PATENT REEL: 056794 FRAME: 0077 506756119



PATENT REEL: 056794 FRAME: 0078

I <u>Lisa Ru-Feng HSU</u> ("As inventor of subject matter (application entitled " <u>USING FRI</u> <u>COMPUTING NODES</u> " ("APPLICA"	"INVENTION") disclosed of EE–SPACE OPTICS TO INT	•	
ASSIGNEE'S legal LLC, One Microsof LEGAL REPRESENT on No. Office	ASSIGNOR hereby auth representative, Microsoft ft Way, Redmond, Washing TATIVES), to insert here and by	Technology Licensing, gton 98052 (ASSIGNEE'S in parentheses (filed given Application the following) this APPLICATION's	
	30, 2020 and was given A by the following Office " <u>U</u> fice)";		
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	
• •	<u> </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"));

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

Lisa Ru-Feng HSU

Printed Name in English

Date | 10 | 15 20

Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

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1832 ·	08 N ovember 2020
Inventor's Signature	Date
Hitesh BALLANI	
Printed Name in English	Printed Name in Native Language
	(if other than English)

l <u>Douglas M</u>	<u>. CARMEAN</u> ("ASSIC	GNOR") am the or	riginal inventor or	an original join
inventor of subje	ct matter ("INVEI	NTION") disclose	ed and/or claime	ed in a paten
application entitle	d " <u>USING FREE-SP</u>	ACE OPTICS TO	INTERCONNECT A	A PLURALITY O
COMPUTING NODE	S" ("APPLICATION")), which:		
ASSIC LLC, (LEGA on No. Office	ONEE'S legal repre One Microsoft Way L REPRESENTATIV	sentative, Micros , Redmond, Wash ES), to insert h and by	hington 98052 (As nere in parenthe given Ap the) this APPLI	Licensing, SSIGNEE'S ses (filed oplication following
<u>16/9</u>	iled on <u>June 30, 20</u> 1 <u>7,875</u> by the fol <u>rademark Office</u> ";			
Microsoft Te behalf of itself ar desirous of acquiri right of priority, in patents derived the for the United S DERIVATIVES"));	ing, the entire and the INVENTION an erefrom, such as c	and assigns ("A d exclusive rights and the APPLICATION continuing applica	ASSIGNEE"), is ent s, title and interes ON (and all other a ations, in whole o	itled to, and is st, including the applications and or in part, in and
ASSIGNOR REPRESENTATIVES following table for	•	pplication No., f		Office into the
Application No.		g Date	Office	,
Application 1101		J Ducc	- Office	

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Inventor's Signature	October 8, 2020 Date
Douglas M. CARMEAN	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>Christian L. BELADY</u> ("A inventor of subject matter (application entitled " <u>USING FR</u> <u>COMPUTING NODES</u> " ("APPLICA"	"INVENTION") disclosed == EE-SPACE OPTICS TO INT	•
LLC, One Microso LEGAL REPRESEN on No. Office	ASSIGNOR hereby auth representative, Microsoft ft Way, Redmond, Washing TATIVES), to insert here and by	Technology Licensing, pton 98052 (ASSIGNEE'S in parentheses (filed given Application the following this APPLICATION's
	30, 2020 and was given A he following Office " <u>US – (</u> <u>ffice</u> ";	•
Microsoft Technology Lie behalf of itself and its succe desirous of acquiring, the enti- right of priority, in the INVENTI patents derived therefrom, suc for the United States, its to DERIVATIVES"));	ssors and assigns ("ASSIO re and exclusive rights, ti ON and the APPLICATION h as continuing applicatio	tle and interest, including the (and all other applications and ns, in whole or in part, in and
ASSIGNOR hereby REPRESENTATIVES to insert to following table for any APPLICA	ne Application No., filin	,
Application No.	Filing Date	Office
7.ppmeation 110.	Timing Date	

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Inventor's Signature

Christian L. BELADY

Printed Name in English

Printed Name in Native Language

MS Dacket No.:408549-LIS-NP

(if other than English)