505428605 04/15/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5475405

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BRYAN STEPHEN MATTHEW	04/12/2019
SCOTT CHAO-CHUEH LEE	04/12/2019
MATTHEW D. KURJANOWICZ	04/15/2019

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:	16384888

CORRESPONDENCE DATA

Fax Number: (888)785-1482

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.

Email: eofficeaction@appcoll.com

Correspondent Name: NEWPORT IP, LLC Address Line 1: 1400 112TH AVE SE

Address Line 4: BELLEVUE, WASHINGTON 98004

ATTORNEY DOCKET NUMBER:	MS1-9358US
NAME OF SUBMITTER:	FRIEDA CRAMER
SIGNATURE:	/FRIEDA CRAMER/
DATE SIGNED:	04/15/2019

Total Attachments: 6

source=2019 04 15 406176 US NP MS1 9358US Assignment#page1.tif source=2019 04 15 406176 US NP MS1 9358US Assignment#page2.tif source=2019_04_15_406176_US_NP_MS1_9358US_Assignment#page3.tif source=2019 04 15 406176 US NP MS1 9358US Assignment#page4.tif source=2019 04 15 406176 US NP MS1 9358US Assignment#page5.tif

PATENT REEL: 048889 FRAME: 0904 505428605

 $source = 2019_04_15_406176_US_NP_MS1_9358US_Assignment \# page 6.t if$

PATENT REEL: 048889 FRAME: 0905

Client Docket No.: 406176-US-NP Attorney Docket No.: MS1-9358US

l Dr.s	n Stanhan MATTUE	W ("ASSICNINO") and the a	riginal inventor or an original		
I Bryan Stephen MATTHEW ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent					
application entitled "VIRTUALIZED APPEND-ONLY INTERFACE" ("APPLICATION"), which:					
application	THURS VINTONCIAL	DAFFERD ORLE MILLIA	CE (AFFLICATION), WINCH.		
	ASSIGNEE'S legal in LLC., One Microsof LEGAL REPRESENT	ASSIGNOR hereby authorepresentative, Microsoft tway, Redmond, Washing (ATIVES), to insert here	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed		
	on April 15, 2019	and given Application	No. 16/384,888 by		
	the following Offi	ce <u>"US – United States I</u>	Patent and Trademark		
	Office"; this APPLIC	CATION's Application No.,	filing date, and Office,		
	when known;				
	was filed on	and was giv	ven Application		
		by the following O			
	States Patent and				
Micro	soft Technology Lic	ensing, LLC, a Washingtor	limited liability company, on		
behalf of itse	elf and its successor	s and assigns ("ASSIGNEE")	, is entitled to, and is desirous		
		-	iterest, including the right of		
			ther applications and patents		
-			nole or in part, in and for the		
			PLICATION DERIVATIVES"));		
William manne	wy the test teachery	with the larger to be the table to the	She had a transfer or more market and a service of the service of		
ASSIC	NOR hereby authori	zes, and requests, ASSIGN	IEE'S LEGAL REPRESENTATIVES		
	•	•	o the following table for any		
	N DERIVATIVES after	-	o ene concerning seems for any		
		Filing Date	Office		
Application	I NO.	Filling Date	Office		

		i	-No.		

Page 1 of 2

Client Docket No.: 406176-US-NP Attorney Docket No.: MS1-9358US

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).

_4	2019/04/12
Inventor's Signature	Date
Bryan Stephen MATTHEW	
Printed Name in English	Printed Name in Native Language (if other than English)

Client Docket No.: 406176-US-NP Attorney Docket No.: MS1-9358US

I <u>Scott Chao-Chueh LEE</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>VIRTUALIZED APPEND-ONLY INTERFACE</u>" ("APPLICATION"), which:

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 April 15, 2019 and given Application No. $16/384,888$ by
	the following Office "US - United States Patent and Trademark
	Office"; this APPLICATION's Application No., filing date, and Office,
	when known;
	was filed onand was given Application
	No by the following Office " <u>US – United</u>
	States Patent and Trademark 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

Page 1 of 2

Client Docket No.: 406176-US-NP Attorney Docket No.: MS1-9358US

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).

Aast ano-amel La	4/12/2019
Inventor's Signature	Date
Scott Chao-Chueh LEE	÷ .
Printed Name in English	Printed Name in Native Language
	(if other than English)

Client Docket No.: 406176-US-NP Attorney Docket No.: MS1-9358US

l <u>Matthew D. I</u>	<u>KURIANOWICZ</u> ("ASSIK	$GNOR^{\prime\prime})$ am the o	riginal inventor	or an original
joint inventor of sul	oject matter ("INVEN	TION") disclosed	l and/or claime	ed in a patent
application entitled "	<u>VIRTUALIZED APPEND</u>	<u>D-ONLY INTERFA</u>	<u>CE"</u> ("APPLICAT	'ION"), which:

M	🛚 will be filed. ASSIG	iNOR hereby	authorizes,	and requests
	ASSIGNEE'S legal repres	sentative, Mic	rosoft Techn	ology Licensing
	LLC., One Microsoft Way	, Redmond, W	ashington 98/	052 (ASSIGNEE'
	LEGAL REPRESENTATIVE	ES), to insert	t here in pa	irentheses (file
	on <u>April 15, 2019</u> a	nd given Appi	lication No	16/384,888 b
	the following Office <u>"U</u>	IS - United S	<u>itates Patent</u>	and Trademari
	Office"; this APPLICATIO	N's Application	on No., filing	date, and Office
	when known;			
] was filed on	and	was given Ap	plication
	. No	by the follo	wing Office "	<u>US - United</u>
	States Patent and Trader	mark 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

Page 1 of 2

Client Docket No.: 406176-US-NP Attorney Docket No.: MS1-9358US

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).

Matthew D. KURJANOWICZ
Printed Name in English
Printed Name in English
(if other than English)