504907225 05/09/2018

PATENT ASSIGNMENT COVER SHEET

EPAS ID: PAT4953969

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE:

CORRECTIVE ASSIGNMENT

Corrective Assignment to correct the MIDDLE NAME OF INVENTOR SCOTT LEE previously recorded on Reel 043218 Frame 0579.

Assignor(s) hereby confirms the ASSIGNMENT OF ASSIGNORS INTEREST..

RESUBMIT DOCUMENT ID: 504710081

CONVEYING PARTY DATA

Name	Execution Date
RAJSEKHAR DAS	06/05/2017
CHESONG LEE	05/10/2017
TRISTAN C. GRIFFITH	04/27/2017
ERIK SCHMIDT	05/03/2017
SCOTT CHAO-CHUEH LEE	01/02/2018

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:	15628994		

CORRESPONDENCE DATA

Fax Number: (215)568-3439

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: 215-568-3100

Email: Assignments@bakerlaw.com
Correspondent Name: BAKER & HOSTETLER LLP

Address Line 1: 2929 ARCH STREET

Address Line 2: CIRA CENTRE, 12TH FLOOR

Address Line 4: PHILADELPHIA, PENNSYLVANIA 19104-2891

ATTORNEY DOCKET NUMBER: 401045-US-NP

NAME OF SUBMITTER: DEBORAH WHIPPLE

SIGNATURE: /Deborah Whipple/

504907225 REEL: 045759 FRAME: 0598

DATE SIGNED:	05/09/2018			
Total Attachments: 13	otal Attachments: 13			
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PATENT REEL: 045759 FRAME: 0599



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Electronic Patent Assignment System

Confirmation Receipt

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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
RAJSEKHAR DAS	06/05/2017
SCOTT C. LEE	04/27/2017
CHESONG LEE	05/10/2017
TRISTAN C. GRIFFITH	04/27/2017
ERIK SCHMIDT	05/03/2017

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Address Line 2: CIRA CENTRE, 12TH FLOOR

Address Line 4: PHILADELPHIA, PENNSYLVANIA 19104-2891

ATTORNEY DOCKET NUMBER:	401045-US-NP
NAME OF SUBMITTER:	DEBORAH WHIPPLE
Signature:	/Deborah Whipple/
Date:	08/07/2017

Total Attachments: 10

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RECEIPT INFORMATION

EPAS ID: PAT4538495 **Receipt Date:** 08/07/2017

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PATENT ASSIGNMENT	MS	Docket No.: 401045-US-PSP
inventor of subject matter	("INVENTION") disclosed UNISTIC USE OF STREAMS F	inventor or an original joins and/or claimed in a patens OR STORING DATA ON A SOLIC
ASSIGNEE'S legal LLC, One Micros LEGAL REPRESE on No. Office	ASSIGNOR hereby aut al representative, Microsof soft Way, Redmond, Washin NTATIVES), to insert her and by filing date, and Office, wh	ft Technology Licensing, ngton 98052 (ASSIGNEE'S re in parentheses (filed given Application the following) this APPLICATION's
	oruary 15, 2017 and was gi is by the following Office " <u>U</u> ce";	
behalf of itself and its such desirous of acquiring, the en right of priority, in the INVEN patents derived therefrom, so	cessors and assigns ("ASS ntire and exclusive rights, the TION and the APPLICATION uch as continuing applicati	on limited liability company, or is igneed, is entitled to, and is title and interest, including the land all other applications and ions, in whole or in part, in and eign countries ("APPLICATION")
The state of the s	the Application No., fill	quests, ASSIGNEE'S LEGAI ng date, and Office into the they are known;
	Filing Date 06/21/2017	Office USPTO

MS Docket No.: 401045-US-PSP

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

Rajsekhar Das

Printed Name in English

Date

Printed Name in Native Language

(if other than English)

PATENT ASSIGNMENT

MS Docket No.: 401045-US-PSP

I <u>Chesong 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>OPPORTUNISTIC USE OF STREAMS FOR STORING DATA ON A SOLID STATE DEVICE</u>" ("APPLICATION"), which:

will b	e fil	ed.	ASSIGNO	R h	nereby	autho	rizes,	and	req	uests,
ASSIGN	IEE'S	legal	represent	tativ	e, Mici	rosoft	Techn	ology	Lice	nsing,
LLC, O	ne M	icroso	ft Way, Re	dmo	ond, Wa	ashingi	ton 98	052 (/	ASSIG	NEE'S
LEGAL	REP	RESEN	TATIVES),	to	insert	here	in pa	renth	eses	(filed
on					and	•	given	A	Appli	cation
No.		***************************************			by		the		follo	owing
Office			~~~~~				this	APPL	ICAT	ION's
Applica	ation	No., f	iling date,	and	Office	, when	know	n;		

was filed on <u>February 15, 2017</u> and was given Application
No <u>62/459,426</u> by the following Office "<u>United States Patent and</u>
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	***************************************
15/628,994	06/21/2017	USPTO	
			uningagaman phistorean ang ani isan ina ga gai paga

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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Eles	5/10/2017
Inventor's Signature	Date
Chesong Lee	01 सा श
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>Tristan C. Griffith</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>OPPORTUNISTIC USE OF STREAMS FOR STORING DATA ON A SOLID STATE DEVICE</u>" ("APPLICATION"), which:

	will be filed. ASSIGN	IOR hereby au	ithorizes, a	nd requests,		
	ASSIGNEE'S legal represe	ntative, Microso	oft Technolo	gy Licensing,		
	LLC, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S					
	LEGAL REPRESENTATIVES), to insert he	ere in pare	ntheses (filed		
	on	and	given	Application		
	No	by	the	following		
	Office) this A	PPLICATION's		
	Application No., filing dat	e, and Office, w	hen known;			

was filed on <u>February 15, 2017</u> and was given Application

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Application No.	Filing Date	Office	
15/628,994	06/21/2017	USPTO	
			•••••

MS Docket No.: 401045-US-PSP

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Tristan C. Griffith

Printed Name in English Printed Name in Native Language (if other than English)

of subject rentitled "OP	matter ("INVENTIC	ON") disclosed and/c OF STREAMS FOR S	inventor or an original joint invento or claimed in a patent application STORING DATA ON A SOLID STAT
	ASSIGNEE'S lega LLC, One Microso LEGAL REPRESE on No. Office	l representative, Mico oft Way, Redmond, Wo NTATIVES), to insert and by	the following this APPLICATION's
		7	as given Application ce " <u>United States Patent and</u>
behalf of its desirous of right of prio patents deri	self and its succ acquiring, the en rity, in the INVENT ved therefrom, su ited States, its	essors and assigns tire and exclusive rig FION and the APPLICA Ich as continuing app	nington limited liability company, o ("ASSIGNEE"), is entitled to, and i hts, title and interest, including th TION (and all other applications an lications, in whole or in part, in an foreign countries ("APPLICATIO
REPRESENTA	TIVES to insert		requests, ASSIGNEE'S LEGA , filing date, and Office into th after they are known:
Application 15/628,994		Filing Date 06/21/2017	Office USPTO

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Inventor's Signature

Date

Erik Schmidt

Printed Name in English

Printed Name in Native Language

(if other than English)

PATENT ASSIGNMENT

MS Docket No.: 401045-US-PSP

I Scott Chao-Chueh Lee ("ASSIGNOR")	am the original inventor or an original joir	ηt
inventor of subject matter ("INVENTION")	disclosed and/or claimed in a pater	nt
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STATE DEVICE" ("APPLICATION"), which:		

will be	filed.	ASSIGNOR	hereby	authoriz	es, and	reque	ests,
ASSIGNE	E'S legal	representat	ive, Mici	osoft Te	chnology	Licens	ing,
LLC, One	: Microso	ft Way, Redn	nond, Wa	ashington	98052 (/	ASSIGN	EE'S
LEGAL R	REPRESEN	TATIVES), to	insert	here in	parenth	eses (filed
on		and giv	en Appli	cation No),		_ by
the foll	owing (Office		1000 N 0017 0 - 1 2000 72)	this
APPLICA"	TION's A	oplication No	., filing o	date, and	Office, wh	ien kno	own;

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300000000000000000000000000000000000000			

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Azot Char-Chinh Ja	1) Z 2318'
Inventor's Signature	Date
Scott Chao-Chueh Lee	
Printed Name in English	Printed Name in Native Language
	(if other than English)