505985123 03/25/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6031832

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHENG HUANG	02/15/2017
ANDREW JAMES EDWARDS	02/13/2017
SHANE K. MAINALI	02/10/2017
AARON WILLIAM OGUS	03/24/2017
IOAN OLTEAN	03/02/2017
HUSEYIN SIMITCI	03/15/2017
JU WANG	03/10/2017
YIKANG XU	02/20/2017
BRADLEY GENE CALDER	01/04/2006

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:	16811972

CORRESPONDENCE DATA

Fax Number: (206)344-3113

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: 8164746550

Email: nhensley@shb.com

Correspondent Name: SHOOK, HARDY & BACON, LLP

Address Line 1: 2555 GRAND BLVD.

Address Line 4: KANSAS CITY, MISSOURI 64108

ATTORNEY DOCKET NUMBER: 357921-US-CNT/337963

NAME OF SUBMITTER: NATHAN D. HENSLEY

PATENT 505985123 REEL: 052228 FRAME: 0739

SIGNATURE:	/Nathan D. Hensley/
DATE SIGNED:	03/25/2020

Total Attachments: 16

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inventor	of	subj	ect n	natter	("INVE	NOITM	") ε	disclosed	d and/or	clair	med	in	a	patent
applicati	on	entitl	led C	DISTRIE	BUTED	META	DAT	A MAN	NAGEMENT	IN	A	DIS	TRI	BUTED
STORAG	E SY	STEM	("APP	LICATI	ION"), v	which:								

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 and given Application
No by the following Office US - United States
Patent and Trademark Office) this APPLICATION's Application No.,
filing date, and Office, when known;

was filed on March 24, 2016 and was given Application

No __15/080,465 by the following Office "United 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"));

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Application No.	Filing Date	Office
16/811,972	03/06/2020	USPTO
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Inventor's Signature	*
Cheng Huang	里 被
Printed Name in English	Printed Name in Native Language
	(if other than English)

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and and		

	Z/13/2017
Inventor's-Signature	Date
Andrew James Edwards	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I Shane K. Mainali ("ASSIGNOR") am the original inventor or an original joint
inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent
application entitled DISTRIBUTED METADATA MANAGEMENT IN A DISTRIBUTED
STORAGE SYSTEM ("APPLICATION"), which:
will be filed. ASSIGNOR hereby authorizes, and requests,
ASSIGNEE'S legal representative, Microsoft Technology Licensing,
LLC., One Microsoft Way, Redmond, Washington 98052
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The Mul	02/10/2017
Inventor's Signature	Date
Shane K. Mainali	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>Aaron W</u>	<u>/illiam Ogus</u> ("ASSIGNOR") ar	n the origin	al invento	or or an	origin	al joint
inventor of sul	bject matter	("INVENTION")	disclosed	and/or	claimed	in a	patent
application ent	itled DISTRIB	UTED METAD	ATA MANA	GEMENT	IN A	DISTR	IBUTED
STORAGE SYSTE	M ("APPLICATI	ON"), which:					

will	be	filed.	ASSIGI	VOR	hereby	auth	orizes	, and	reque	ests,
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An Willing Can	03-24-2017
Inventor's Signature	Date
Aaron William Ogus	
Printed Name in English	Printed Name in Native Language (if other than English)

I <u>loan Oltean</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled DISTRIBUTED METADATA MANAGEMENT IN A DISTRIBUTED STORAGE SYSTEM ("APPLICATION"), which:

will	be	filed.	ASSIGI	NOR	hereby	autho	orizes	i, and	reque	sts,
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Q	03/02/2017
Inventor's Signature	Date
Ioan Oltean	
Printed Name in English	Printed Name in Native Language
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- Albrida	03-1 <b>5</b> -2017
Inventor's Signature Huseyin Simitci	Date Committee C
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For good and valuable consideration, the receipt of which is hereby accounting to the ASSICNOR the ASSICNOR hereby selfs, assigns and transfers to the ASSICNOR's entire and exclusive rights, this and interest, including the receipt of the ASSICNOR's entire and the APPLICATION (and all other applications and course conveil meretions, such as continuing applications, in whole or in part, in and the United States, its devictions, and all foreign countries CAPPLICATION (SECONDARY).

ASSUME agrees to execute all instruments and documents required for the purpose of the APPLICATION (and APPLICATION DERIVATIVES). Its supposes of protecting agrees patent derived therefrom, and for the purpose of protecting patent derived therefrom DERIVATIVES).

S/10/2017

Date

Financia Survein English

1	<u>Yikang</u>	<u>Xu</u> ("ASSIGNC	OR") am the o	original	inven	tor or an origi	nal joint inv	entor of
subject	matter	("INVENTION"	') disclosed a	and/or	claim	ed in a patent	application	entitled
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Mr.	2/20/2017
Inventor's Signature	Date
Yikang Xu	
Printed Name in English	Printed Name in Native Language
	(if other than English)