505157954 10/24/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

ersion v1.1 EPAS ID: PAT5204721

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ARUN RAMADASAN MANNENGAL	10/24/2018
ASHISH BASRAN	10/24/2018
JAWAD AHMED IBRAHIM KATIB	10/23/2018
AVINASH CHANDRU	10/24/2018
SHREEJA SUBRATA DATTA	10/24/2018

RECEIVING PARTY DATA

Name:	MICROSOFT TECHNOLOGY LICENSING, LLC	
Street Address:	S: ONE MICROSOFT WAY	
City:	REDMOND	
State/Country: WASHINGTON		
Postal Code:	98052	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16169941

CORRESPONDENCE DATA

Fax Number:

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: 425-707-9382

Email: usdocket@microsoft.com

Correspondent Name: MICROSOFT CORPORATION

Address Line 1: ONE MICROSOFT WAY

Address Line 4: REDMOND, WASHINGTON 98052

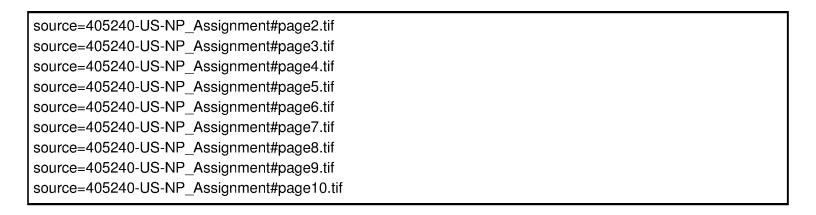
ATTORNEY DOCKET NUMBER:	405240-US-NP
NAME OF SUBMITTER:	BRYAN S. WADE
SIGNATURE:	/Bryan S. Wade, #58,228/
DATE SIGNED:	10/24/2018

Total Attachments: 10

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PATENT REEL: 047303 FRAME: 0475

505157954



PATENT REEL: 047303 FRAME: 0476 I <u>Arun Ramadasan Mannengal</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "OFFLOADING UPLOAD PROCESSING OF A FILE IN A DISTRIBUTED SYSTEM USING A KEY THAT INCLUDES A HASH CREATED USING ATTRIBUTE(S) OF A REQUESTOR AND/OR THE FILE" ("APPLICATION"), which:

\boxtimes	will be filed. ASSIGNOR hereby authorizes, and reques	ts,
	ASSIGNEE'S legal representative, Microsoft Technology Licensin	ıg,
	LLC., One Microsoft Way, Redmond, Washington 98052 (ASSIGNED	E'S
	LEGAL REPRESENTATIVES), to insert here in parentheses (fil	ed
	on October 24, 2018 and given Application No. 16/169,941	by
	the following Office <u>US - United States Patent and Trademark Office</u>	<u>ce</u>)
	this APPLICATION's Application No., filing date, and Office, wh	en
	known;	
	was filed on and was given Application	
	No by the following Office	
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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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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")):

	H.C.	,Ar	
ARUN RAMADASAN MANNET	16 ₁ 4L 10	124/2018	
Inventor's Signature	Date		#i
Arun Ramadasan Mannengal	anosanj	തമദാസൻ	8e ಪ್ರೀಟ್ರಾ ಇ
Printed Name in English	Printed Name in Native Language		
	(if other	than English)	

I <u>Ashish Basran</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "OFFLOADING UPLOAD PROCESSING OF A FILE IN A DISTRIBUTED SYSTEM USING A KEY THAT INCLUDES A HASH CREATED USING ATTRIBUTE(S) OF A REQUESTOR AND/OR THE FILE" ("APPLICATION"), which:

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Adries Bassun	10/24/2018
Inventor's Signature	Date
∞	
Ashish Basran	31129 01424
Printed Name in English	Printed Name in Native Language
	(if other than English)

I Jawad Ahmed Ibrahim Katib ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "OFFLOADING UPLOAD PROCESSING OF A FILE IN A DISTRIBUTED SYSTEM USING A KEY THAT INCLUDES A HASH CREATED USING ATTRIBUTE(S) OF A REQUESTOR AND/OR THE FILE" ("APPLICATION"), which:

\boxtimes	will b	e e	filed.	ASSIGN	OR	here	by	auth	orize	25,	and	requ	uests.
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	LLC., C	One	Micros	oft Way, I	Redr	nond	, Wa	.shing	ton	980	52 (4	ASSIG	NEE'S
	LEGAL	. RE	EPRESEN	NTATIVES), to	o ins	ert	here	in	par	enth	eses	(filed
	on	octol)	ber 24, 2	<u>2018</u> an	d giv	en Ap	oplic	cation	No.		16/16	9,941	by
	the fol	llow	ing Off	ice <u>US – L</u>	<u> Inite</u>	<u>d Sta</u>	tes l	<u>Paten</u>	t and	Tra	<u>adem</u>	<u>iark C</u>	Office)
	this A	PPL	ICATIO	N's Appli	catio	on No)., f	iling	date	, an	d Of	fice,	when
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	was fil	led	on		a	ınd w	as g	iven .	Appl	icat	ion		
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	"		***************************************	******************		",							

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Jawad Ahmed Ibrahim Katib	10/23/2018
Inventor's Signature	Date
Jawad Ahmed Ibrahim Katib Printed Name in English	جواد اصحر ابراها کالیک Printed Name in Native Language (if other than English)

I <u>Avinash Chandru</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "OFFLOADING UPLOAD PROCESSING OF A FILE IN A DISTRIBUTED SYSTEM USING A KEY THAT INCLUDES A HASH CREATED USING ATTRIBUTE(S) OF A REQUESTOR AND/OR THE FILE" ("APPLICATION"), which:

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Avinash Chandru	10 24/2018
Inventor's Signature Avinash Chandru	Date * *
Printed Name in English	Printed Name in Native Language (if other than English)

I <u>Shreeja Subrata Datta</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "OFFLOADING UPLOAD PROCESSING OF A FILE IN A DISTRIBUTED SYSTEM USING A KEY THAT INCLUDES A HASH CREATED USING ATTRIBUTE(S) OF A REQUESTOR AND/OR THE FILE" ("APPLICATION"), which:

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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).

SHREEJA SUBRATA DATTA	24ª OCTOBER 2018	
Inventor's Signature	Date	
Shreeja Subrata Datta	*	
Printed Name in English	Printed Name in Native Language	
	(if other than English)	

Page 2 of 2