504928807 05/24/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

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EPAS ID: PAT4975553

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
WILLIAM BRUCE BARR III	05/22/2018
RADHIKA KASHYAP	05/22/2018
SVYATOSLAV TRUKHANOV	05/22/2018

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:	15987939

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:	404435-US-NP
NAME OF SUBMITTER:	SUSAN C MURPHY
SIGNATURE:	/Susan C Murphy/
DATE SIGNED:	05/24/2018

Total Attachments: 6

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> PATENT REEL: 045889 FRAME: 0356

PATENT ASSIGNMENT MS Docket No.:404435-US-NP

I <u>William Bruce BARR III</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>EFFICIENT CERTIFICATE REVOCATION LIST VALIDATION IN MULTI-TENANT CLOUD SERVICES</u>" ("APPLICATION"), which:

\boxtimes	will b	e filed. A	SSIGNO	R hereby	authoriz	es, and	l requests,
	ASSIGN	IEE'S legal r	epresent	ative, Micr	osoft Te	chnology	/ Licensing,
	LLC, O	ne Microsoft	Way, Re	dmond, Wa	ashington	98052	(ASSIGNEE'S
	LEGAL	REPRESENTA	ATIVES),	to insert	here in	parenth	neses (filed
	on ·	May 24, 201	8	and	giv	en	Application
	No.	1598793	19	by	t	he	following
	Office	USPTO		10000 4 B) [#] t	his APF	LICATION's
	Applica	ition No., fili	ng date,	and Office	, when kr	nown;	
	was file	ed on		_ and was q	given App	lication	
	No		_ by the	following	Office		
	"	***************************************		33,			

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;

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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")):

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).

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William Bruce Barr		5/5	2/18	
Inventor's Signature		Date		
William Bruce BARR III				
Printed Name in English	***************************************	Printed I	Name in Native L than English)	anguage

PATENT ASSIGNMENT MS Docket No.:404435-US-NP

	<u>Radhika KA</u>	<u>SHYAP</u> ("ASSIGNOR") am the origi	inal inventoi	r or an original joi	n
inventor	of subjec	t matter ("INVENTI	ON") disclose	d and/or c	laimed in a pate	ní
application	on entitled	"EFFICIENT CERTIFIC	CATE REVOCAT	TON LIST VA	LIDATION IN MULT	1-
TENANT (CLOUD SER	<u>VICES</u> " ("APPLICATIC	N"), which:			
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	LEGAL	REPRESENTATIVES)	, to insert h	ere in pare	La Bac Sallin L. York L.	
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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"));

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Inventor's Signatu	ıre 🔍 💮	Date		. gar - na sannan sar S	
Radhika KASHYAP					
Printed Name in E	nglish	Printed Name	e in Native I	Language	
		(if other thar	English)		

PATENT ASSIGNMENT MS Docket No.:404435-US-NP

l <u>Svy</u> a	<u>atoslav</u> 1	<u>TRUKHANOV</u> ("ASSIGNO	R") am the	original ir	iventor or an origina
joint invente	or of su	bject matter ("INVENTI	ON") disclo	sed and/or	r claimed in a paten
application	entitled	"EFFICIENT CERTIFICAT	E REVOCAT	ION LIST V	ALIDATION IN MULTI-
		VICES" ("APPLICATION")			
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		REPRESENTATIVES), to		**	
	on	May 24, 2018	and	given	Application
	No.	15987939	by	the	following
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patents deri	ved ther	efrom, such as continu	ing applica	tions, in wh	nole or in part, in and
for the Un	ited Sta	ates, its territories, a	ind all fo	reign cour	ntries ("APPLICATION
DERIVATIVES	5"));				
ASSIG	NOR	hereby authorizes,	and re	equests,	ASSIGNEE'S LEGAL
REPRESENTA	TIVES t	o insert the Applicati	on No., fi	ling date,	and Office into the
following tal	ole for a	ny APPLICATION DERIVA	TIVES after	they are k	nown;
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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"));

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Svyatoslav Trukhanov	05/22/18
Inventor's Signature	Date
Svyatoslav TRUKHANOV	CBATOCNAB TRYXAHOR
Printed Name in English	Printed Name in Native Language
	(if other than English)