506352056 11/12/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6398811

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TOR KREUTZER	11/15/2018
JAN-OVE ALMLI KARLBERG	11/19/2018
SHAMIKA RUKLAN JAYASUNDARA	11/16/2018
ØYSTEIN FLEDSBERG	11/15/2018
ØYSTEIN TORBJØRNSEN	11/15/2018
ÅGE ANDRE KVALNES	11/15/2018
HELGE GRENAGER SOLHEIM	11/15/2018

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:	17096525

CORRESPONDENCE DATA

Fax Number: (612)332-9081

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.

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Email: usdocket@microsoft.com

Correspondent Name: MERCHANT & GOULD (MICROSOFT)

Address Line 1: P.O. BOX 2903

Address Line 4: MINNEAPOLIS, MINNESOTA 55402-0903

ATTORNEY DOCKET NUMBER:	14917.3855USC1/405385USCN
NAME OF SUBMITTER:	GREGORY G. JOHNSON
SIGNATURE:	/Gregory G. Johnson/
DATE SIGNED:	11/12/2020

PATENT 506352056 REEL: 054352 FRAME: 0538

Total Attachments: 14 source=2020-11-12_Assignments-ALL_14917-3855usc1#page1.tif source=2020-11-12_Assignments-ALL_14917-3855usc1#page2.tif source=2020-11-12_Assignments-ALL_14917-3855usc1#page3.tif source=2020-11-12_Assignments-ALL_14917-3855usc1#page4.tif source=2020-11-12_Assignments-ALL_14917-3855usc1#page5.tif source=2020-11-12_Assignments-ALL_14917-3855usc1#page6.tif source=2020-11-12_Assignments-ALL_14917-3855usc1#page7.tif source=2020-11-12_Assignments-ALL_14917-3855usc1#page9.tif source=2020-11-12_Assignments-ALL_14917-3855usc1#page9.tif source=2020-11-12_Assignments-ALL_14917-3855usc1#page10.tif source=2020-11-12_Assignments-ALL_14917-3855usc1#page11.tif source=2020-11-12_Assignments-ALL_14917-3855usc1#page12.tif source=2020-11-12_Assignments-ALL_14917-3855usc1#page13.tif source=2020-11-12_Assignments-ALL_14917-3855usc1#page13.tif source=2020-11-12_Assignments-ALL_14917-3855usc1#page13.tif

PATENT REEL: 054352 FRAME: 0539

I Tor KREUTZER ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Managing Data Resources" ("APPLICATION"), which:

MS Docket No.: 405385-US-NP

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 November 26, 2018 and given Application No. 16/200,544 by
	the following Office <u>United States Patent & Trademark</u>) this
	APPLICATION's Application No., filing date, and Office, when known;
	was filed on and was given Application
	No by the following 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"));

Application No.	Filing Date	Office	

MS Docket No.: 405385-US-NP

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"));

Too Kreybar	11/15/2018
Inventor's Signature	Date
Printed Name in English Tor KREUTZER	Printed Name in Native Language (if other than English)

MS Docket No.: 405385-US-NP

I Jan-Ove Almli KARLBERG ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Managing Data Resources" ("APPLICATION"), which:

\boxtimes	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
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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

MS Docket No.: 405385-US-NP

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To-Oa Almli Kallen	19.11.2018
Inventor's Signature	Date
Jan-On Almil Kerllery	
Printed Name in English	Printed Name in Native Language
Jan-Ove Almli KARLBERG	(if other than English)

MS Docket No.: 405385-US-NP

I Shamika Ruklan JAYASUNDARA ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Managing Data Resources" ("APPLICATION"), which:

\boxtimes	will	be	filed.	ASSIG	NOR	hereby	auth	orizes	, and	requ	uests,
	ASSIC	CNE	E'S lega	l repres	entati	ve, Mic	rosoft	Tech	nology	Licer	nsing,
	LLC,	One	Micros	oft Way,	Redn	nond, W	ashing/	ton 9	8052 (/	ASSIG	NEE'S
	LEGA	L R	EPRESE	SVITATIVE	S), to	inser	t here	in p	arenth	eses	(filed
	on <u>N</u>	lover	<u>nber 26,</u>	<u>2018</u> a:	nd giv	en App	licatior	No.	16/200,	544	by
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	Printed Name in English	Printed Name in Native Language
	Shamika Ruklan JAYASUNDARA	(if other than English)

PATENT ASSIGNMENT MS Docket No.:405385-US-NP

I Øystein FLEDSBERG ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Managing Data Resources" ("APPLICATION"), which:

\boxtimes	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 November 26, 2018 and given Application
	No. <u>16/200,544</u> by the following
	Office <u>United States Patent & Trademark</u>) this APPLICATION's
	Application No., filing date, and Office, when 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"));

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
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PATENT ASSIGNMENT MS Docket No.:405385-US-NP

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

Date

OYSTEIN FLEDSBERG

Printed Name in English
Øystein FLEDSBERG

グイSTEルードとGDSBER6 Printed Name in Native Language

(if other than English)

2018-11-15

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I Øystein TORBJØRNSEN ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Managing Data Resources" ("APPLICATION"), which:

\boxtimes	will be	filed.	ASSIGNOR	hereby	autho	orizes,	and	reques	its,
	ASSIGNE	E'S le	gal repre	sentative	, M	icrosof	t T	echnolo	эgy
	Licensin	g, LLC, (One Microsc	ft Way, R	edmoi	nd, Was	shingt	on 980	52
	(ASSIGN	EE'S LE	GAL REPR	ESENTAT	IVES),	to i	nsert	here	in
	parenth	eses (file	ed on <u>Nove</u>	mber 26, 1	2018	and gi	ven A	pplicat	ion
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	Office _	United S	States Patent	& Traden	<u>ıark</u>) this	APPL	ICATIO	N's
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Outo Gran	2018-11-17
inventor's Signature	Date
Printed Name in English	Printed Name in Native Language
Øystein TORBJØRNSEN	(if other than English)

I Åge Andre KVALNES ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Managing Data Resources" ("APPLICATION"), which:

MS Docket No.: 405385-US-NP

\boxtimes	will be filed.	ASSIGNOR	hereby	authorize	es, and	requests,
	ASSIGNEE'S legal	representati	ve, Micr	osoft Tec	hnology	Licensing,
	LLC, One Microsof	t Way, Redn	nond, Wa	shington	98052 (4	KSSIGNEE'S
	LECAL REPRESENT	TATIVES), to	insert	here in	parenthe	eses (filed
	on November 26, 2	<u>)18</u> and giv	en Appli	cation No.	16/200,5	<u>544</u> by
	the following C	ffice <u>Uni</u>	ted States	Patent & T	<u> rademark</u>	this
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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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Act Arte Kralas	2018 - 11 - 15 Date
Printed Name in English	Printed Name in Native Language
Åge Andre KVALNES	(if other than English)

I Helge Grenager SOLHEIM ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Managing Data Resources" ("APPLICATION"), which:

MS Docket No.: 405385-US-NP

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Alge Grange Solli	2018-11-15
 Inventor's Signature	Date
 Printed Name in English Helge Grenager SOLHEIM	Printed Name in Native Language (if other than English)