505334724 02/19/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5381505

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ZHICHENG YIN	06/27/2016
XIAOYU CHEN	07/29/2016
TAO GUAN	08/06/2016
PAUL MICHAEL BRETT	07/29/2016
NAN ZHANG	06/28/2016
JALIYA N. EKANAYAKE	06/27/2016
ERIC BOUTIN	08/29/2016
ANNA KORSUN	08/04/2016
JINGREN ZHOU	06/28/2016
HAIBO LIN	08/03/2016
PAVEL N. IAKOVENKO	07/29/2016

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:	16279027

CORRESPONDENCE DATA

Fax Number: (801)328-1707

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: 801-533-9800

Email: cthompson@wnlaw.com,usdocket@microsoft.com

Correspondent Name: WORKMAN NYDEGGER/MICROSOFT

Address Line 1: 60 EAST SOUTH TEMPLE

Address Line 2: SUITE 1000

Address Line 4: SALT LAKE CITY, UTAH 84111

505334724 PATENT REEL: 048369 FRAME: 0718

ATTORNEY DOCKET NUMBER:	13768.2745.2.1
NAME OF SUBMITTER:	THOMAS M. BONACCI
SIGNATURE:	/THOMAS M. BONACCI/
DATE SIGNED:	02/19/2019
Total Attachments: 22	
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source=Assignment#page2.tif	
source=Assignment#page3.tif	
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> PATENT REEL: 048369 FRAME: 0719

MS Docket No.: 360425.01

WN Docket No.: 13768,2745,2

I <u>Zhicheng Yin</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>PROCESSING REQUESTS FOR A MULTI-VERSIONED SERVICE</u>" ("APPLICATION"), which:

\boxtimes	will be filed	f. ASSIGNOR	hereby author	orizes, and	requests,
	ASSIGNEE'S I	egal representat	ive, Microsoft	Technology	Licensing,
	LLC., One	Microsoft Way	, Redmond,	Washingto	in 98052
	(ASSIGNEE'S parentheses	LEGAL REPRES	SENTATIVES), 29, 2016	to insert	here in Application
	No. June 29	0, 2016 by the	following Offic	te <u>US - Uni</u>	ited States
	Patent and Tr	rademark Office)	this APPLICAT	TON's Appli	cation No.,
	filing date, an	nd Office, when k	nown;		

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"));

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	
16/279,027	Feb. 19, 2019	USPTO	

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MS Docket No.: 360425.01

WN Docket No.: 13768.2745.2

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).

Date

Zhichena Yin

Printed Name in English

Native Language

MS Docket No.: 360425.01

WN Docket No.: <u>13768.2745.2</u>

I <u>Xiaoyu Chen</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>PROCESSING REQUESTS FOR A MULTI-VERSIONED SERVICE</u>" ("APPLICATION"), which:

will	be	filed	1, /	4SSIG	NOR	hereby	auth	orize	s, and	reque	sts,
ASSI	GNE	E'S le	egal r	epres	entati	ve, Mic	rosoft	Tecl	nology	Licens	ìng,
LLC.	, C)ne	Micro	soft	Way	, Redi	mond,	Wa	ashingto	n 98	052
(ASS	IGNE	E,2	LEGA	L R	EPRES	ENTATI	VES),	to	insert	here	in
pare	nthe	ses	(filed	on _		, in the same of t		and	given	Applica:	tion
No.	*********			_ by	the f	ollowin	g Offi	ce U	S – Un	ited Sta	ates
Pate	nt ar	nd Ti	radem	<u>ark C</u>	ffice)	this AP	PLICA	TION	's Appli	cation	No.,
filino	a dat	e. ar	nd Off	ce, w	hen k	nown;					

was filed on <u>June 29, 2016</u> and was given Application

No <u>15/197,592</u> by the following Office "<u>US - United States</u>

<u>Patent and Trademark Office</u>";

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	
16/279,027	Feb. 19, 2019	USPTO	
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MS Docket No.: 360425.01

WN Docket No.: 13768.2745.2

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).

Xiaogu Ches

nventor's dignature

Xiaoyu Chen

Printed Name in English

2016, 7,29

Date

Printed Name in Native Language

MS Docker No. 300425.01

WN Docket No.: 13768.2743.2

I <u>Tao Guan</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "PROCESSING REQUESTS FOR A MULTI-VERSIONED SERVICE" ("APPLICATION"), which:

]	will be file	ed. ASSIGNOR	hereby	authoriz	es, ar	id re	ques	t 5,
	ASSIGNEE'S	legal representat	ive, Micro	osoft Tec	hnolog	y Lic	ensir	19,
	LLC., One	Microsoft Way	/, Redm	iond, W	/ashin¢	iton	980	52
		LEGAL REPRE						
		(filed on						
	No	by the	fallowing	Office !	<u> JS - l</u>	Jnitec	i <u>Sta</u>	tes
		Trademark Office		LICATION	V's Ap	plicati	on N	lO.,
	filing date,	and Office, when I	cnown;					

Was filed on June 29, 2016 and was given Application
 No 15/197,592 by the following Office "US = 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")):

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
16/279,027	Feb. 19, 2019	USPTO

MS Docker No. 36042501

WN Docket No. 1768 2745.2

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

08/06/3066 Date 关端

Tao Guan

Printed Name in English

Printed Name in Native Language

MS Docket No.: 360425.01

WN Docket No.: <u>13768.2745.2</u>

I <u>Paul Michael Brett</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>PROCESSING REQUESTS FOR A MULTI-VERSIONED SERVICE</u>" ("APPLICATION"), which:

	will be file	ed. ASSIGNO	R hereby au	thorizes, and	requests,
	ASSIGNEE'S	legal represent	tative, Microsc	ıft Technology	Licensing,
	LLC., One	Microsoft V	Vay, Redmon	id, Washingto	on 98052
	(ASSIGNEE'S	LEGAL REP	RESENTATIVES), to insert	here in
	parentheses	(filed on		and given	Application
	No.	by th	e following O	ffice <u>US – Un</u>	ited States
	Patent and	<u>Trademark Offi</u>	<u>ce</u>) this APPLIC	CATION's Appli	cation No.,
	filing date, a	and Office, when	n known;		

was filed on <u>June 29, 2016</u> and was given Application

No <u>15/197,592</u> by the following Office "<u>US - United States</u>

Patent and <u>Trademark Office</u>":

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
16/279,027	Feb. 19, 2019	USPTO
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de la company	·····	

MS Docket No.: 360425.01

WN Docket No.: 13768.2745.2

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"));

Ball	295012016
Inventor's Signature	Date
Paul Michael Brett	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: 360425.01

WN Docket No.: 13768.2745.2

I <u>Nan Zhang</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>PROCESSING REQUESTS FOR A MULTI-VERSIONED SERVICE</u>" ("APPLICATION"), which:

\boxtimes	will be filed	. ASSIGNOR	hereby auth	orizes, and	requests,
	ASSIGNEE'S le	gal representat	ive, Microsoft	Technology	Licensing,
	LLC., One	Microsoft Way	, Redmond,	Washingto	n 98052
	(ASSIGNEE'S parentheses (LEGAL REPRES	SENTATIVES), 29, 2016	to insert and given /	No.
	No. June 29,	2016 by the	following Offi	ce <u>US – Un</u>	ited States
	Patent and Tr	ademark Office)	this APPLICA	TION's Appli	cation No.,
	filing date, an	d Office, when k	inown;		

was filed on	and was given Application
No	by the following Office
ii	***

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	
16/279,027	Feb. 19, 2019	USPTO	
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MS Docket No.: 360425.01

WN Docket No.: 13768.2745.2

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"));

Now Zhong	6/28/2016
Inventor's Signature	Date
Nan Zhang	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: <u>360425.01</u>

WN Docket No.: 13768.2745.2

I <u>Jaliya N. Ekanayake</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>PROCESSING REQUESTS FOR A MULTI-VERSIONED SERVICE</u>" ("APPLICATION"), which:

X	a produk kara serakaran uru	SSIGNOR hereby		
	ASSIGNEE'S legal re	presentative, Mic	rosoft Technolo	gy Licensing,
	LLC., One Micro	soft Way, Red	mond, Washing	gton 98052
	(ASSIGNEE'S LEGAI parentheses (filed (No. June 29, 2016	on June 29, 2016	IVES), to inse 3 and giver g Office <u>US – I</u>	1 Application
	Patent and Tradema filing date, and Office	urk Office) this AF	100 Ta	

was filed on	and was given Application
No	by the following Office
e e	¥ .

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
16/279,027	Feb. 19, 2019	USPTO

<u> </u>		

MS Docket No.: 360425.01

WN Docket No.: 13768.2745.2

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"));

Juliya.	06/27/2016
Inventor's Signature	Date
Jaliya N. Ekanayake	ජාලිය ඒකනායක
Printed Name in English	Printed Name in Native Language (if other than English)

Patent and Trademark Office ";

of subject	WN Docket No.: <u>13768.2745.2</u> c Boutin ("ASSIGNOR") am the original inventor or an original joint inventor matter ("INVENTION") disclosed and/or claimed in a patent application OCESSING REQUESTS FOR A MULTI-VERSIONED SERVICE" ("APPLICATION"),
	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 June 29, 2016 and was given Application No. 15/197592 by the following Office "US – United States

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	
16/279,027	Feb. 19, 2019	USPTO	
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Page 1 of 2

MS Docket No.: 360425.01

MS Docket No.: 360425.01

WN Docket No.: 13768,2745.2

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"));

Cic Boutin	8/29/2016
Inventor's Signature	Date
Eric Boutin	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: 360425.01 WN Docket No.: 13768.2745.2

1 <u>An</u>	na Korsu	n_ ("ASS	IGNOR') am th	ne origin	ıal inver	ntor or	an ori	ginal joint
inventor of	subject	matter	("INVE	("NOITE	disclose	ed and/	or clair	med in	a patent
application	entitled	"PROCES	SSING	REQUES	TS FOR	A MUI	TI-VER	SIONED	SERVICE"
("APPLICATIO	ON"), whic	h:							

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 <u>US - United States</u>
Patent and Trademark Office) this APPLICATION's Application No.,
filing date, and Office, when known;

was filed on June 29, 2016 and was given Application

No 15/197,592 by the following Office "US – 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")):

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
16/279,027	Feb. 19, 2019	USPTO
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		<u> </u>

MS Docket No.: 360425.01

WN Docket No.: <u>13768.2745.2</u>

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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).

Inventor's Signature

Date

Anna Korsun

Printed Name in English

Printed Name in Native Language

(if other than English)

MS Docket No.: <u>360425.01</u>

WN Docket No.: 13768.2745.2

I <u>Jingren Zhou</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>PROCESSING REQUESTS FOR A MULTI-VERSIONED SERVICE</u>" ("APPLICATION"), which:

X	will be filed. ASSIGNOR hereby authorizes, and requests	ş
	ASSIGNEE'S legal representative, Microsoft Technology Licensing	*
	LLC., One Microsoft Way, Redmond, Washington 98057	2
	(ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in	n
	parentheses (filed on June 29, 2016 and given Application	3
	No. June 29, 2016 by the following Office US - United State	
	Patent and Trademark Office) this APPLICATION's Application No.	3
	filing date, and Office, when known;	

was	filed	on	and was given Application
No			by the following Office
at a			n ₆

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	
16/279,027	Feb. 19, 2019	USPTO	

MS Docket No.: 360425.01

WN Docket No.: 13768.2745.2

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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).

| Sample | G/28/2016 | Date | 目清人 | Printed Name in English | Printed Name in Native Language

MS Docket No.: 360425.01 WN Docket No.: 13768.2745.2

I <u>Haibo Lin</u> ("ASSIGNOR") am the original inventor or an or	iginal joint inventor
of subject matter ("INVENTION") disclosed and/or claimed in a	patent application
entitled "PROCESSING REQUESTS FOR A MULTI-VERSIONED SERVICE	E" ("APPLICATION"),
which:	

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ASSI	GNE	E'S le	egal r	epres	entat	ive,	Micr	osoft	Tecl	nnology	Licer	ısing,
LLC.	, ()ne	Micro	osoft	Wa	y ,	Redr	nond,	Wa	ashingto	on 9	8052
(ASS	IGNI	EE'S	LEG/	AL F	EPRE	SEN	TATI	VES),	to	insert	her	e in
pare	nthe	ses	(filed	on _					and	given	Applic	ation
No.	4			_ by	the	folio	owing	g Offi	ce <u>U</u>	<u> </u>	ited 5	States
Pate	nt a	nd Ti	radem	ark C)ffice)) thi	s API	PLICA	TION	's Appli	cation	1 No.,
filing	g da	te, ar	id Off	ice, v	hen l	(nov	vn;					

was filed on <u>June 29, 2016</u> and was given Application

No <u>15/197,592</u> by the following Office "<u>US – United States</u>

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"));

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	بسننسن
16/279,027	Feb. 19, 2019	USPTO	

MS Docket No.: 360425.01

WN Docket No.: 13768.2745.2

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"));

Linhoids	8/3/2016
Inventor's Signature	Date
Haibo Lin	科和艾
Printed Name in English	Printed Name in Native Language (if other than English)

MS Docket No.: 360425.01

WN Docket No.: 13768.2745.2

I <u>Pavel N. lako</u>	<u>venko</u> ("ASSIG	NOR") am tl	he origin	al invent	or or an	origina	ıl joint
inventor of subject	matter ("INVE	MTION") di	sclosed	and/or	claimed	in a	patent
application entitled	"PROCESSING	REQUESTS	FOR A	MULTI-	-VERSION	ED SE	<u>RVICE"</u>
("APPLICATION"), whic	h:						

will be fi	led. ASSIG	NOR her	reby autho	orizes, a	ınd reque	sts,
ASSIGNEE'S	legal repres	entative,	Microsoft	Technolo	ogy Licens	ing,
LLC., One	: Microsoft	Way,	Redmond,	Washir	igton 98	052
(ASSIGNEE'S	S LEGAL R	EPRESEN	TATIVES),	to ins	ert here	in
parenthese	s (filed on _			and give	n Applica	tion
No.	by	the follo	owing Offic	ce US -	United St	ates
Patent and	Trademark C	<u>)ffice</u>) thi	s APPLICAT	ΓΙΟΝ's Αμ	plication	No.,
filing date,	and Office, w	hen knov	vn;			

was filed on <u>June 29, 2016</u> and was given Application

No <u>15/197,592</u> by the following Office "<u>US – United States</u>

Patent and <u>Trademark Office</u>";

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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).

Inventor's Signature

Pavel N. lakovenko

Printed Name in English

Date '

Printed Name in Native Language