505688057 09/24/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5734867

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ZYANYA VALDES ESQUIVEL	05/23/2019
SHAKEEL SOLKAR	06/03/2019
SCOTT A. MOODY	09/18/2019
DIANA K. SLABA	05/30/2019
JONATHAN H. MOLLERUP	09/18/2019
LUIS DELGADO	05/24/2019
YUEDONG YIN	06/01/2019

RECEIVING PARTY DATA

Name:	MICROSOFT TECHNOLOGY LICENSING, LLC	
Street Address:	5600 148TH AVENUE NE	
Internal Address:	REDWEST-C	
City:	REDMOND	
State/Country:	MINNESOTA	
Postal Code:	98052	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16426426

CORRESPONDENCE DATA

Fax Number: (952)373-8920

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: 425-538-9035

Email: sgreenfield@khcip.com

Correspondent Name: MICROSOFT CORPORATION

Address Line 1: ONE MICROSOFT WAY

Address Line 4: REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	406475-US-NP
NAME OF SUBMITTER:	SUSAN GREENFIELD
SIGNATURE:	/Susan Greenfield/

PATENT REEL: 050480 FRAME: 0370

505688057

DATE SIGNED:	09/24/2019		
Total Attachments: 14	Total Attachments: 14		
source=406475-US-NP_Assignments#p	page1.tif		
source=406475-US-NP_Assignments#p	page2.tif		
source=406475-US-NP_Assignments#p	page3.tif		
source=406475-US-NP_Assignments#p	source=406475-US-NP_Assignments#page4.tif		
source=406475-US-NP_Assignments#p	source=406475-US-NP_Assignments#page5.tif		
source=406475-US-NP_Assignments#page6.tif			
source=406475-US-NP_Assignments#p	source=406475-US-NP_Assignments#page7.tif		
source=406475-US-NP_Assignments#page8.tif			
source=406475-US-NP_Assignments#page9.tif			
source=406475-US-NP_Assignments#page10.tif			
source=406475-US-NP_Assignments#page11.tif			
source=406475-US-NP_Assignments#page12.tif			
source=406475-US-NP_Assignments#page13.tif			
source=406475-US-NP Assignments#page14.tif			

PATENT REEL: 050480 FRAME: 0371

I Zyanya VALDES ESQUIVEL ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "REMOTE RECOVERY AND SUPPORT USING CHAT MESSAGES" ("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 and given Application No by
	the following Office <u>US - United States Patent and Trademark Office</u>
	this APPLICATION's Application No., filing date, and Office, when
	known;
{}}	
[]	was filed on and was given Application
	Noby the following Office
	8.

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
	229	
organistic control of the control of		
	1	

Page 1 of 2

<i>y</i> 0	
348 Desman	05/23/14
Inventor's Signature	Date
Zyanya VALDES ESQUIVEL	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT	MS Docket No.:	406475-US-NF

I <u>Shakeel SOLKAR</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>REMOTE RECOVERY AND SUPPORT USING CHAT MESSAGES</u>" ("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 and given Application No by
	the following Office <u>US – United States Patent and Trademark Office</u>)
	this APPLICATION's Application No., filing date, and Office, when
	known;
	was filed on and was given Application
	No by the following Office
	9.

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
i per la mantant de de de la mestra de la companya de la mantanta de la companya de la mantanta de la companya Per		
and the second s		

Page 1 of 2

PATENT	ASSIGNMENT	MS Docket No.:	406475-US-NP

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

Shakeel SOLKAR

Printed Name in English

Printed Name in Native Language
(if other than English)

PATENT.	ASSIGNMENT	MS Docket No.:	406475-US-NP

I <u>Scott A. MOODY</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>REMOTE RECOVERY AND SUPPORT USING CHAT MESSAGES</u>" ("APPLICATION"), which:

\boxtimes	$\cInt {f J}$ will be filed. ASSIGNOR hereby authorizes, and req	uests,
	ASSIGNEE'S legal representative, Microsoft Technology Lice	nsing,
	LLC., One Microsoft Way, Redmond, Washington 98052 (ASSIC	NEE'S
	LEGAL REPRESENTATIVES), to insert here in parentheses	(filed
	on and given Application No	by
	the following Office <u>US - United States Patent and 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"));

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	
<u></u>	The state of the s		
		area area area area area area area area	erening in the second and a second

Page 1 of 2

PATENT ASSIGNMENT		MS Docket No.:	406475-US-NP	
	***********		X	3

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).

Investor's Signature Date

Scott A. MOODY

Printed Name in English Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

MS Docket No.:

406475-US-NP

I <u>Diana SLABA</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>REMOTE RECOVERY AND SUPPORT USING CHAT MESSAGES</u>" ("APPLICATION"), which:

X	will be	filed.	ASSIGNOR	hereby	authoriz	ces, and	l requ	uests,
	ASSIGNE	E'S legal	representa	tive, Mici	rosoft Te	chnology	/ Licer	nsing,
	LLC., On	e Micros	oft Way, Red	mond, W	ashingtor	98052	(ASSIG	NEE'S
	LEGAL F	REPRESEN	ITATIVES), 1	o insert	here in	parentl	neses	(filed
	on	- 6	and gi	ven Appl	ication No)		by
			ice <u>US – Unit</u>					
	this APP	LICATION	N's Applicat	ion No.,	filing dat	e, and C	Office,	when
	known;							
	was filed	l on		and was	given App	olication		
	No		by the	following	Office			
	н			n,				

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	
: :			

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"));

De Sale	05/30/19
Inventor's Signature	Date
Diana SLABA	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

MS Docket No.: 406475-US-NP

I <u>Jonathan H. MOLLERUP</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>REMOTE RECOVERY AND SUPPORT USING CHAT MESSAGES</u>" ("APPLICATION"), which:

will be	filed.	ASSIGNOR	hereby	auth	orize:	s, an	d req	uests,
ASSIGNE	E'S legal	representa	tive, Mic	rosoft	Tech	inolog	y Lice	nsing,
LLC., Or	ie Micros	oft Way, Rec	lmond, W	ashing	gton S	8052	(ASSIC	NEE'S
LEGAL	REPRESEN	NTATIVES),	to insert	here	in p	parent	heses	(filed
on		and g	iven Appl	ication	n No.,			рλ
the follo	wing Off	ice <u>US – Unit</u>	<u>ted States</u>	Paten	t and	Trade	mark (Office)
this APR	PLICATIO	N's Applicat	ion No.,	filing	date,	and	Office,	when
known;								
was file	d on		and was	given	Appli	cation	ĭ	
No		by the	following	Office	æ			
**			3					
	ASSIGNE LLC., Or LEGAL on the folio this APF known; was file No	ASSIGNEE'S legal LLC., One Micros LEGAL REPRESEN on the following Off this APPLICATION known; was filed on No	ASSIGNEE'S legal representa LLC., One Microsoft Way, Rec LEGAL REPRESENTATIVES), on and g the following Office <u>US - Unit</u> this APPLICATION's Applicat known; was filed on by the	ASSIGNEE'S legal representative, Micc LLC., One Microsoft Way, Redmond, W LEGAL REPRESENTATIVES), to insert on and given Appl the following Office <u>US - United States</u> this APPLICATION's Application No., known; was filed on and was No by the following	ASSIGNEE'S legal representative, Microsoft LLC., One Microsoft Way, Redmond, Washing LEGAL REPRESENTATIVES), to insert here on and given Application the following Office US - United States Patenthis APPLICATION's Application No., filing known; was filed on and was given No by the following Office	ASSIGNEE'S legal representative, Microsoft Tech LLC., One Microsoft Way, Redmond, Washington S LEGAL REPRESENTATIVES), to insert here in a on and given Application No., the following Office US - United States Patent and this APPLICATION's Application No., filing date, known; was filed on and was given Appli No by the following Office	ASSIGNEE'S legal representative, Microsoft Technolog LLC., One Microsoft Way, Redmond, Washington 98052 LEGAL REPRESENTATIVES), to insert here in parent on and given Application No the following Office US - United States Patent and Trade this APPLICATION's Application No., filing date, and known; was filed on and was given Application No by the following Office	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
		į.	
	*		
	*		

Page 1 of 2

PATENT A	ASSIGNMENT	MS Docket No.:	406475-US-NP

Veriathin Molling	9-14-2019
/inventor's Signature	Date
Jonathan H. MOLLERUP	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT

MS Docket No.: 406475-US-NP

1 Luis DELGADO ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "REMOTE RECOVERY AND SUPPORT USING CHAT MESSAGES" ("APPLICATION"), which:

\boxtimes	will b	e filed.	ASSIGNOR	hereby	autho	orizes,	and	requ	ests,
	ASSIGN	NEE'S legal	representa	tive, Mici	rosoft	Techno	ology	Licen	sing,
	LLC., C	ne Micros	oft Way, Red	lmond, W	ashing	ton 980	052 (A	SSIGN	VEE'S
	LEGAL	REPRESEN	ITATIVES),	to insert	here	in pa	renthe	ses i	(filed
	on	<u> </u>	and g	iven Appl	ication	No		-	by
	the fol	lowing Offi	ce <u>US - Unit</u>	ed States	Patent	and Tr	adem	ark O	ffice)
	this Al	PPLICATION	N's Applicat	ion No.,	filing (date, a	nd Off	fice, ۱	when
	known	÷							
	was fil	ed on		and was	given /	Applica	tion		
	No		by the	following	Office				
	<i>ii</i>			35 ₄					

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	
60			
<u></u>			
			
			······································

10 00 -M		4 *	*
	- 05/24/19	38 58	
Inventor's Signature	Date		
Luis DELGADO			
Printed Name in English	Printed Name in Nati	The second of the second	
	(if other than English	}	

I Yuedong YIN ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "REMOTE RECOVERY AND SUPPORT USING CHAT MESSAGES" ("APPLICATION"), 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 <u>US - United States Patent and Trademark Office</u>)
this APPLICATION's Application No., filing date, and Office, when
known;
was filed on and was given Application
No by the following Office
P.

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	
<u></u>			

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

Yuedong YIN

Printed Name in English

Printed Name in Native Language

(if other than English)