504397958 06/05/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4444655

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VIPUL AGARWAL	03/10/2017
OMAR ZIA KHAN	03/20/2017
IMED ZITOUNI	04/25/2017
HISAMI SUZUKI	03/06/2017

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:	15450004

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.

Email: usdocket@microsoft.com

Correspondent Name: SCHWEGMAN LUNDBERG & WOESSNER, P.A.

Address Line 1: P.O. BOX 2938

Address Line 4: MINNEAPOLIS, MINNESOTA 55402

ATTORNEY DOCKET NUMBER:	401514-US-NP (1777.050US1
NAME OF SUBMITTER:	MEGAN L. REED
SIGNATURE:	/Megan L. Reed/
DATE SIGNED:	06/05/2017

Total Attachments: 9

source=1777.050US1 Assignment#page1.tif source=1777.050US1 Assignment#page2.tif source=1777.050US1 Assignment#page3.tif source=1777.050US1 Assignment#page4.tif

PATENT 504397958 REEL: 042601 FRAME: 0097

source=1777.050US1 Assignment#page5.tif
source=1777.050US1 Assignment#page6.tif
source=1777.050US1 Assignment#page7.tif
source=1777.050US1 Assignment#page8.tif
source=1777.050US1 Assignment#page9.tif

PATENT REEL: 042601 FRAME: 0098

RECORDATION FORM COVER SHEET PATENTS ONLY

Atty Ref/Docket No.: 401514-US-NP (1777.050US1) Patent and Trademark Office To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Name: Microsoft Technology Licensing, LLC Vipul Agarwal, Omar Zia Khan, Imed Zitouni, Hisami Street Address: One Microsoft Way Suzuki City: <u>Redmond</u> State: <u>WA</u> Zip Country: <u>United States of America</u> Additional name(s) of conveying party(ies) attached? Zip: 98052 []Yes [X]No Additional name(s) & address(es) attached? []Yes 3. Nature of conveyance: [X]No [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other Execution Date: March 10, 2017, March 20, 2017, April 25, 2017, March 6, 2017 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) B. Patent No.(s) Serial No. 15/450,004 Additional numbers attached? []Yes [X]No 6. Total number of applications and patents involved: 1 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41):\$ <u>0.00</u> Name: Ariel S. Reinitz []Enclosed [Authorized to be charged to deposit account Address: 19-0743 Schwegman Lundberg & Woessner, P.A. P.O. Box 2938 8. Please charge any additional fees or credit any over Minneapolis, MN 55402--0938 payments to our Deposit Account No.: 19-0743 DO NOT USE THIS SPACE Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. 6/5/17Ariel S. Reinitz/Reg. No. 65,220 Name of Person Signing Date Signature

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks Mail Stop Assignment Recordation Services P.O. Box 1450 Alexandria, VA 22313-1450 Total number of pages including cover sheet: 9

behalf of itse of acquiring priority, in the derived ther United State: ASSIG to insert the	the entire are the INVENTION efrom, such as s, its territorie NOR hereby as Application I	nd exclusive rights, title and the APPLICATION (as continuing applications, and all foreign countruthorizes, and requests,	and interest, including the right and all other applications and pate s, in whole or in part, in and for ies ("APPLICATION DERIVATIVES")); ASSIGNEE'S LEGAL REPRESENTATIVES fice into the following table for a	the
behalf of itse of acquiring priority, in the derived ther United State	, the entire ar he INVENTION efrom, such a s, its territorie	nd exclusive rights, title and the APPLICATION (a s continuing application s, and all foreign countr	e and interest, including the right and all other applications and pate s, in whole or in part, in and for ies ("APPLICATION DERIVATIVES"));	onts
	soft Technolog		hington limited liability company, IGNEE"), is entitled to, and is desire	or
		<u>March 5, 2017</u> and was ing Office " <u>United States</u>		
	ASSIGNEE'S I LLC, One Mic LEGAL REPRE and given Ap	legal representative, Mi crosoft Way, Redmond, V ESENTATIVES), to insert oplication No.	y authorizes, and requests, crosoft Technology Licensing, Vashington 98052 (ASSIGNEE'S here in parentheses (filed onby the following Office , when	
"PERSONALI	atter ("INVENT ZED COMMUNI will be file ASSIGNEE'S I LLC, One Mic	ION") disclosed and/or o ICATIONS USING SEMAN d. ASSIGNOR hereb legal representative, Mi trosoft Way, Redmond, V	y authorizes, and requests, crosoft Technology Licensing, Vashington 98052 (ASSIGNEE'S	

Page 1 of 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).

Ped Azzewal	3/10/2017.
Inventor's Signature	Date
Vipul Agarwal	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I Omar Zia Khan ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "PERSONALIZED COMMUNICATIONS USING SEMANTIC MEMORY", which:

will	be	filed.	ASSIGNOR	hereby	auth	orizes,	and	reque	sts,
ASSI	GNE	E'S legal	representat	ive, Mic	rosoft	Techno	ology	Licens	ing,
LLC,	One	Microso	ft Way, Redr	nond, W	'ashing	ton 98()52 (A	ssigni	EE'S
LEG/	AL R	EPRESENT	FATIVES), to	insert	here ir	n paren	theses	i (filed	on
and	give	n Applica	ition No			by the	follow	ing Of	fice
) thi	s API	PLICATIO	N's Applicat	ion No.,	filling	date, a	nd Of	fice, w	hen
knov	wn;								

was filed on March 5, 2017 and was given Application No by the following Office "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	
		·····	

MS Docket No.: 401514-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).

	83/20/2017-,
Inventor's Signature	Date
Omar Zia Khan	
Printed Name in English	Printed Name in Native Language
	(if other than English)

] will be file ASSIGNEE'S I LLC, One Mic	legal representative, Mic crosoft Way, Redmond, W	IC MEMORY", which: authorizes, and requests, rosoft Technology Licensing, ashington 98052 (ASSIGNEE'S here in parentheses (filed on	
	and given Ap	pplication No	filing date, and Office, when	
Z		March 5, 2017 and was g	iven Application No <u>Patent and Trademark</u>	
	Office";	mg ome <u>somes states</u>		
behalf of its of acquiring priority, in derived the United State	Office": osoft Technologielf and its success, the entire are the invention are from, such a ses, its territorie	gy Licensing, LLC, a Wash essors and assigns ("ASSI nd exclusive rights, title and the APPLICATION (and s continuing applications s, and all foreign countri	nington limited liability company, of GNEE"), is entitled to, and is desiron and interest, including the right of all other applications and patents, in whole or in part, in and for thes ("APPLICATION DERIVATIVES"));	us of nts
behalf of its of acquiring priority, in derived the United State ASSIG to insert th	Office"; osoft Technologielf and its succept, the entire are the INVENTION refrom, such a ses, its territories SNOR hereby are Application	gy Licensing, LLC, a Wash essors and assigns ("ASSI nd exclusive rights, title and the APPLICATION (and s continuing applications s, and all foreign countri- uthorizes, and requests, a	GNEE"), is entitled to, and is desirous and interest, including the right of all other applications and paten in whole or in part, in and for thes ("APPLICATION DERIVATIVES"));	us of its he

Page 1 of 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

Da)

Imed Zitouni

Printed Name in English

Printed Name ার Native Language

(if other than English)

I Hisami Suzuki ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "PERSONALIZED COMMUNICATIONS USING SEMANTIC MEMORY", 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) this APPLICATION's Application No., filing date, and Office, when known; \boxtimes was filed on March 5, 2017 and was given Application No by the following Office "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

Page 1 of 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

Hisami Suzuki

Printed Name in English

3-6-2017

Date

欽木入美

Printed Name in Native Language (if other than English)