505868605 01/16/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5915433

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
THOMAS MATTHEW LAIRD-MCCONNELL	02/08/2017
LILI CHENG	02/09/2017
JAMES H. LEWALLEN	02/08/2017
JUSTIN CRANSHAW	02/09/2017
CRAIG JENSEN	02/09/2017
STEVE ICKMAN	02/08/2017
WILLIAM L. PORTNOY	04/06/2016
QI LU	02/13/2017
DANIEL J. DRISCOLL	04/08/2016

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:	16744827

CORRESPONDENCE DATA

Fax Number: (816)421-5547

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Phone: 816-474-6550

Email: hmischlich@shb.com

SHOOK, HARDY & BACON L.L.P. (MICROSOFT T Correspondent Name: Address Line 1: INTELLECTUAL PROPERTY DEPARTMENT

Address Line 2: 2555 GRAND BOULEVARD

Address Line 4: KANSAS CITY, MISSOURI 64108-2613

359209-US-CNT/28841.33805 ATTORNEY DOCKET NUMBER: NAME OF SUBMITTER: HOPE A. MISCHLICH

PAIENI REEL: 051538 FRAME: 0384 505868605

SIGNATURE:	/Hope A. Mischlich/
DATE SIGNED:	01/16/2020
Total Attachments: 18	
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PATENT REEL: 051538 FRAME: 0385

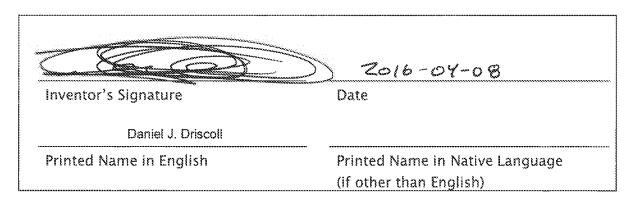
PATENT ASSIGNMENT		MS Docke	t No.:	359209.01
		Attorney Docke	t No.:	MS1- 6432US
or an origina	al joint inventor of su dication entitled	ubject matter ("INVENTION")		
	Multi	i-Modal Conversational Intercom		
("APPLICATIO	DN"), which:			
	ASSIGNEE'S legal r LLC., One Microsof LEGAL REPRESENT on the following Office	ASSIGNOR hereby author representative, Microsoft To Way, Redmond, Washingto ATIVES), to insert here is and given Application for the Bushing days and given No., filing days application No., filing days are application No.,	echnol on 980 in pare No and Tra	ogy Licensing, 52 (ASSIGNEE'S entheses (filedby idemark Office)
×		h 28, 2016 and was given Ar by the following Office <u>\</u> nark Office:		
behalf of itse of acquiring priority, in the derived there	elf and its successors i, the entire and exc he INVENTION and ti efrom, such as cont	ensing, LLC, a Washington s and assigns ("ASSIGNEE"), clusive rights, title and int he APPLICATION (and all ot tinuing applications, in who all foreign countries ("APP	is entit erest, i her app ole or i	led to, and is desirous including the right of plications and patents n part, in and for the
to insert the	·	zes, and requests, ASSIGNE iling date, and Office into they are known;		
Application			Office	
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MS Docket No.: 359209.01

Attorney Docket No.: MS1-6432US

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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"));



PATENT ASSIGNMENT	MS Dock	et No.: 359209.01
	Attorney Dock	et No,: MS1- 6432US
or an original joint inventor of a patent application entitled	(/Appidi4	IOR") am the original inventor ") disclosed and/or claimed in
	fulti-Modal Conversational Intercon	n
("APPLICATION"), which:		
LLC., One Micros LEGAL REPRESE on the following Of	ASSIGNOR hereby authors al representative, Microsoft soft Way, Redmond, Washington NTATIVES), to insert here and given Application fice US - United States Patent N's Application No., filing o	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed No by and Trademark Office)
	arch 28, 2016 and was given A 19 by the following Office emark Office;	• •
behalf of itself and its success of acquiring, the entire and priority, in the INVENTION and derived therefrom, such as counited States, its territories, a	ors and assigns ("ASSIGNEE"), exclusive rights, title and in d the APPLICATION (and all o ontinuing applications, in wh and all foreign countries ("API orizes, and requests, ASSIGN	terest, including the right of ther applications and patents nole or in part, in and for the PLICATION DERIVATIVES")); EE'S LEGAL REPRESENTATIVES
to insert the Application No. APPLICATION DERIVATIVES aff		o the following table for any
Application No.	Filing Date	Office

PATENT ASSIGNMENT	MS Docket No.: 359209.01 Attorney Docket No.: MS1-6432US

	
///	T 1 121/ 2017
/_///	Feb 13th, 201/
Inventor's Signature	Date
Qi Lu	<u> </u>
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT	MS Docket No	.: 359209.01
	Attorney Docket No	.: MS1- 6432US
William L. Po	ortnoy ("ASSIGNOR")	am the original inventor
or an original joint inventor of :	subject matter ("INVENTION") disc	losed and/or claimed in
a patent application entitled		
Mu	lti-Modal Conversational Intercom	
("APPLICATION"), which:		
☐ will be filed.	ASSIGNOR hereby authorizes	. and requests.
	representative, Microsoft Techr	
-	oft Way, Redmond, Washington 91	
	TATIVES), to insert here in p	
on	and given Application No	by
the following Offi	ce <u>US – United States Patent and T</u>	<u>rademark Office</u>)
this APPLICATION	l's Application No., filing date,	and Office, when
known;		
	ch 28, 2016 and was given Applic	ation
	by the following Office <u>US -</u> _	
Patent and Trader		
Microsoft Technology Li	censing, LLC, a Washington limit	ed liability company, on
behalf of itself and its successo	rs and assigns ("ASSIGNEE"), is en	titled to, and is desirous
of acquiring, the entire and ex	cclusive rights, title and interest	, including the right of
	the APPLICATION (and all other a	·
	ntinuing applications, in whole o	•
United States, its territories, an	d all foreign countries ("APPLICA"	TION DERIVATIVES"));
ASSIGNOR hereby autho	rizes, and requests, ASSIGNEE'S L	EGAL REPRESENTATIVES
to insert the Application No.,	filing date, and Office into the	following table for any
APPLICATION DERIVATIVES after	r they are known;	
Application No.	Filing Date Office	:e

Vm 1 ha	4-6-16
Inventor's Signature	Date
William L. Portnoy	
Printed Name in English	Printed Name in Native Language (if other than English)

Application No.	Filing Date	Office
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Attorney Docket No.: MS1-6432US

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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"));

Afri JOhn	2/8/2012
Inventor's Signature	Date /
Steve Ickman	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT		MS Docke	t No.:	359209.01
		Attorney Docke	t No.:	MS1- 6432US
	Craig Jens Il joint inventor of si lication entitled	^{en} (*ASSIGNe ubject matter (*INVENTION*)	DR") an I disclo	n the original inventor sed and/or claimed in
	Muli	i-Modal Conversational Intercom		
("APPLICATIO	JN"), which:			
	ASSIGNEE'S legal LLC., One Microsol LEGAL REPRESENT on the following Office	ASSIGNOR hereby author representative, Microsoft To the Way, Redmond, Washington (ATIVES), to insert here is and given Application for the US United States Patent is Application to Application for the Application No., filing displays the Application No., filing displ	echnoi on 980 n paro Vo und Tra	ogy Licensing, 52 (ASSIGNEE'S entheses (filedby idemark Office)
		h 28, 2016 and was given Ap by the following Office ! ark Office:		
behalf of itse of acquiring, priority, in the derived them	if and its successor: , the entire and exi he INVENTION and to refrom, such as cont	ensing, LLC, a Washington is and assigns ("ASSIGNEE"), clusive rights, title and into the APPLICATION (and all ottinuing applications, in who all foreign countries ("APPI	is entit erest, i her app ole or i	led to, and is desirous ncluding the right of blications and patents n part, in and for the
to insert the		zes, and requests, ASSIGNE iling date, and Office into they are known:		
Application			Office	
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MS Dock	et No.: 359209.01
Attorney Dock	et No.; MS1- 6432US

Curs ha	2/9/2017
Inventor's Signature	Date
Craig Jessen	
Printed Name in English	Printed Name in Native Language (if other than English)

Filing Date

Application No.

Office

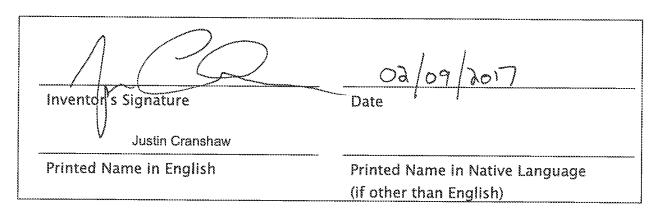
MS Docket No.: 359209.01

Attorney Docket No.: MS1-6432US

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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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James W Jewall Inventor's Signature	<u>2/8//7</u> Date
James H. Lewallen	
Printed Name in English	Printed Name in Native Language (if other than English)

APPLICATION DERIVATIVES after they are known;

Application No.	Filing Date	Office

MS Dock	et No.: 359209.01
Attorney Dock	et No.: MS1- 6432US
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	Feb 9 2017
Inventor's Signature	Date
Lili Cheng	
Printed Name in English	Printed Name in Native Language
	(if other than English)

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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

Thomas Matthew Laird-McConnell

Printed Name in English

Printed Name in Native Language

(if other than English)