02/14/2017 504228210

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4274887

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

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

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:	15083019

CORRESPONDENCE DATA

Fax Number: (509)323-8979

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: 509-324-9256

Email: phillip.cameron@leehayes.com

Correspondent Name: LEE & HAYES, PLLC

601 W. RIVERSIDE AVENUE Address Line 1:

Address Line 2: **SUITE 1400**

Address Line 4: SPOKANE, WASHINGTON 99201

ATTORNEY DOCKET NUMBER:	MS1-6432US
NAME OF SUBMITTER:	PHILLIP A. CAMERON

PAIENI REEL: 041256 FRAME: 0557 504228210

SIGNATURE: /Phillip A. Cameron/ **DATE SIGNED:** 02/14/2017 **Total Attachments: 18** source=359209-US-NP Assignment_as_Filed_DRISCOLL#page1.tif source=359209-US-NP Assignment as Filed DRISCOLL#page2.tif source=359209-US-NP Assignment as Filed LU#page1.tif source=359209-US-NP Assignment as Filed LU#page2.tif source=359209-US-NP_Assignment_as_Filed_PORTNOY#page1.tif source=359209-US-NP Assignment as Filed PORTNOY#page2.tif source=359209-US-NP Assignment as Filed ICKMAN#page1.tif source=359209-US-NP Assignment as Filed ICKMAN#page2.tif source=359209-US-NP Assignment as Filed JENSEN#page1.tif source=359209-US-NP Assignment as Filed JENSEN#page2.tif source=359209-US-NP Assignment as Filed CRANSHAW#page1.tif source=359209-US-NP Assignment as Filed CRANSHAW#page2.tif source=359209-US-NP_Assignment_as_Filed_LEWALLEN#page1.tif source=359209-US-NP_Assignment_as_Filed_LEWALLEN#page2.tif source=359209-US-NP Assignment as Filed CHENG#page1.tif source=359209-US-NP Assignment as Filed CHENG#page2.tif source=359209-US-NP_Assignment_as_Filed_McCONNELL#page1.tif source=359209-US-NP Assignment as Filed McCONNELL#page2.tif

> PATENT REEL: 041256 FRAME: 0558

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	ON"), 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)
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to insert the	•	zes, and requests, ASSIGNE iling date, and Office into they are known;		
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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"));

	Z016-04-08
Inventor's Signature	Date
Daniel J. Driscoll	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT A	SSIGNMENT	MS Docke	et No.:	359209.01
		Attorney Docke	et No.:	MS1- 6432US
_	-	("ASSIGN ubject matter ("INVENTION"		n the original inventor esed and/or claimed in
a patent ap	plication entitled			
	Mult	ti-Modal Conversational Intercom		
("APPLICATI	ON"), which:			
	ASSIGNEE'S legal LLC., One Microsof LEGAL REPRESENT on the following Office	ASSIGNOR hereby autho representative, Microsoft To the May, Redmond, Washingt FATIVES), to insert here and given Application to US - United States Patent of St	Fechno on 980 in par No and Tra	logy Licensing, 52 (ASSIGNEE'S entheses (filed by ademark Office)
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Application		Filing Date	Office	· -
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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 AS	SIGNMENT	MS Dock	et No.:	359209.01
		Attorney Dock	et No.:	MS1- 6432US
-	l joint inventor of su lication entitled	tnoy ("ASSIGN ubject matter ("INVENTION" i-Modal Conversational Intercon	OR") an ') disclo	n the original inventor
("APPLICATIO	N"), which:			
	ASSIGNEE'S legal is LLC., One Microsof LEGAL REPRESENT on the following Office	ASSIGNOR hereby authorepresentative, Microsoft of Way, Redmond, Washington (ATIVES), to insert here and given Application to US – United States Patent of Application No., filing of Application No., filing of Application No.,	Technol on 980 in pare No and Tra	ogy Licensing, 52 (ASSIGNEE'S entheses (filedby idemark Office)
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behalf of itse of acquiring, priority, in th derived there United States	If and its successors the entire and exceeding the entire and exceeding the importance of the importan	ensing, LLC, a Washington s and assigns ("ASSIGNEE"), clusive rights, title and in he APPLICATION (and all o tinuing applications, in wh I all foreign countries ("API	is entit terest, i ther apposed or i PLICATION	led to, and is desirous including the right of olications and patents in part, in and for the DN DERIVATIVES"));
	-	zes, and requests, ASSIGN iling date, and Office into		
	DERIVATIVES after			
Application	No.	Filing Date	Office	

Vmhha	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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Inventor's Signature	2/8/2017 Date
Steve Ickman	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASS	IGNMENT	MS Dock	et No.:	359209.01
		Attorney Dock	et No.:	MS1- 6432US
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a patent applic		and an action of the sent strength	h minimum	mentioner medical production of the second o
* * *	Malš	i-Modal Conversational Intercon	n	
("APPLICATION	l"), which:	***************************************		
l. c t	NSSIGNEE'S legal in LC., One Microsof LEGAL REPRESENT on LEGAL REPRESENT on LEGAL REPRESENT of fice of the following Office in LEGAL REPRESENT on LEGAL REPRESENT on LEGAL REPRESENT OF THE REPRESENT OF THE REPRESENT OF T	ASSIGNOR hereby authorepresentative, Microsoft of Way, Redmond, Washingth ATIVES), to insert here and given Application of US - United States Patent of Application No., filing of Application No., filing of Application No.,	Technoiton 980 in pare No and Tra	logy Licensing, 52 (ASSIGNEE'S entheses (filedby udemark Office)
N		h 28, 2018 and was given A by the following Office ark Office;		
behalf of itself of acquiring, t priority, in the derived therefi	and its successors the entire and exception in the entire and the entire and the entire entir	ensing, LLC, a Washington and assigns ("ASSIGNEE"), clusive rights, title and in the APPLICATION (and all or inuing applications, in whall foreign countries ("APF	is entit terest, i ther ap; ole or i	led to, and is desirous ncluding the right of dications and patents n part, in and for the
to insert the /		zes, and requests, ASSICNI ling date, and Office into they are known:		
Application N		Filing Date	Office	
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MS Dock	et No.:	359209.01
Attorney Dock	et No.:	M51-6432US

Cun h	2/9/2017
Inventor's Signature	Date
Craig Jensen	
Printed Name in English	Printed Name in Native Language (if other than English)

Office

Filing Date

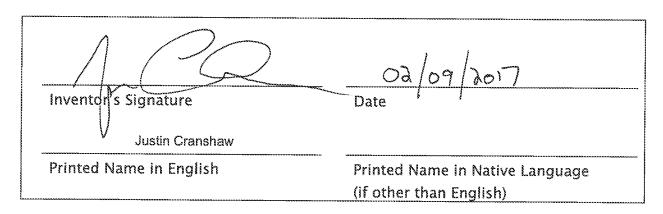
Application No.

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"));



MS Docke	et No.: 359209.01
Attorney Docke	et No.: MS1- 6432US

James X Jewall Inventor's Signature	2/8//7 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 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"));

	Feb 9, 2017
Inventor's Signature	Date
Lili Cheng	
Printed Name in English	Printed Name in Native Language
	(if other than English)

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"));

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)