506672032 05/19/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6718847

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FRED WALTER RINK	05/19/2021
HAIBO QIAN	05/17/2021
MICHAEL ANTHONY BROWN	05/18/2021

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:	17324832

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: mspatent@rqn.com, usdocket@microsoft.com
Correspondent Name: RAY QUINNEY & NEBEKER - MICROSOFT

Address Line 1: 36 SOUTH STATE STREET

Address Line 2: SUITE 1400

Address Line 4: SALT LAKE CITY, UTAH 84111

ATTORNEY DOCKET NUMBER:	409862-US-NP	
NAME OF SUBMITTER:	THOMAS M. HARDMAN	
SIGNATURE:	/Thomas M. Hardman/	
DATE SIGNED:	05/19/2021	

Total Attachments: 6

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PATENT REEL: 056291 FRAME: 0543

PATENT ASSIGNMENT

I <u>Fred Walter RINK</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>MINIMIZING DISRUPTION TO A VOICE CALL IN A MOBILE NETWORK THAT INCLUDES DIFFERENT NETWORK SEGMENTS HAVING DIFFERENT CAPABILITIES FOR <u>SUPPORTING VOICE CALLS</u>" ("APPLICATION"), which:</u>

MS Docket No.: 409862-US-NP

M	ASSIGN	e filed. ASSIGNO EE'S legal represen ne Microsoft Way, Re	tative, Microso	oft Technolo	ogy Licensing
	LEGAL	REPRESENTATIVES),	to insert he	re in pare	ntheses (filed
	on	May 19, 2021	_ and	given	Application
	No.	17/324,832	. by	the	following
	Office	US Patent and Tra	demark Office) this A	APPLICATION'S
	Applica	ition No., filing date,	and Office, wh	nen known;	
口	was file	ed on	_ and was give	n Applicatio	on
	No	by th	e following Off	fice	
	N .		r,		

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	
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Page 1 of 2

PATENT ASSIGNMENT	MS	Docket No.: 409862-US-NI

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).

Fred Worlder Bail	5/19/2021
Inventor's Signature	Date /
Fred Walter RINK	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

SUPPORTING VOICE CALLS" ("APPLICATION"), which:

I <u>Haibo OIAN</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>MINIMIZING DISRUPTION TO A VOICE CALL IN A MOBILE NETWORK THAT INCLUDES DIFFERENT NETWORK SEGMENTS HAVING DIFFERENT CAPABILITIES FOR</u>

MS Docket No.: 409862-US-NP

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was fi	ation No., led on	t and Traden filing date, aby the	and Office	, when k given Ap	nown	•	TION's

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Application No.	Filing Date	Office
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Page 1 of 2

PATENT ASSIGNMENT	MS Docket No.: 409862-US-N

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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Makellar	05-117/2021
Inventor's Signature	Date
Haibo QIAN	模為從
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

MS Docket No.: 409862-US-NP

I Michael Anthony BROWN ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "MINIMIZING DISRUPTION TO A VOICE CALL IN A MOBILE NETWORK THAT INCLUDES DIFFERENT NETWORK SEGMENTS HAVING DIFFERENT CAPABILITIES FOR SUPPORTING VOICE CALLS" ("APPLICATION"), which:

\boxtimes	will bo	s filed. ASSIGN	OR hereby au	thorizes.	and requests
	ASSIGN	EE'S legal represe	ntative. Microso	ft Technol	ogy Licensing,
	LLC, Or	ie Microsoft Way, i	ledmond, Washii	ngton 9805	2 (ASSIGNEE'S
		REPRESENTATIVES May 19, 2021), to insert her	e in pare	ntheses (filed
	No.	17/324,832	and by		Application following
	Office	US Patent and Tra	demark Office		APPLICATION'S
	Applica	tion No., filing date	e. and Office, wh	******************************	
	was file	d on	and was giver	ı Applicatio	m
	No.	by t	he following Offi	ce	

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Application No.	Filing Date	Office

Page 1 of 2

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	5/18/2021
Invertor's Signature	Date
Michael Anthony BROWN	
Printed Name in English	Printed Name in Native Language
	(if other than English)

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PATENT REEL: 056291 FRAME: 0549