# 506405171 12/15/2020

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6451927

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
JUNIA ANNA GEORGE	12/09/2020
CHETAN BANSAL	12/08/2020
NIKITHA RAO	12/09/2020
CASEY JO GOSSARD	12/08/2020
DUNG NGUYEN	12/14/2020
DAVID BOYD LUDWIG IV	12/09/2020
CURTIS DEAN ANDERSON	12/09/2020

### **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:	17122954

### **CORRESPONDENCE DATA**

**Fax Number:** (888)785-1482

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:** 888-785-1482

**Email:** usdocket@microsoft.com

Correspondent Name: NEWPORT IP, LLC
Address Line 1: 1400 112TH AVE SE

Address Line 2: SUITE 100

Address Line 4: BELLEVUE, WASHINGTON 98004

ATTORNEY DOCKET NUMBER:	MS1-9507US
NAME OF SUBMITTER:	FRIEDA CRAMER
SIGNATURE:	/Frieda Cramer/
DATE SIGNED:	12/15/2020

506405171 PATENT REEL: 054658 FRAME: 0819

# Total Attachments: 14 source=409014\_US\_NP\_MS1\_9507US\_Executed\_Assignments#page1.tif source=409014\_US\_NP\_MS1\_9507US\_Executed\_Assignments#page2.tif source=409014\_US\_NP\_MS1\_9507US\_Executed\_Assignments#page3.tif source=409014\_US\_NP\_MS1\_9507US\_Executed\_Assignments#page4.tif source=409014\_US\_NP\_MS1\_9507US\_Executed\_Assignments#page5.tif source=409014\_US\_NP\_MS1\_9507US\_Executed\_Assignments#page6.tif source=409014\_US\_NP\_MS1\_9507US\_Executed\_Assignments#page7.tif source=409014\_US\_NP\_MS1\_9507US\_Executed\_Assignments#page8.tif source=409014\_US\_NP\_MS1\_9507US\_Executed\_Assignments#page9.tif source=409014\_US\_NP\_MS1\_9507US\_Executed\_Assignments#page10.tif source=409014\_US\_NP\_MS1\_9507US\_Executed\_Assignments#page11.tif source=409014\_US\_NP\_MS1\_9507US\_Executed\_Assignments#page12.tif source=409014\_US\_NP\_MS1\_9507US\_Executed\_Assignments#page13.tif source=409014\_US\_NP\_MS1\_9507US\_Executed\_Assignments#page13.tif source=409014\_US\_NP\_MS1\_9507US\_Executed\_Assignments#page13.tif

PATENT REEL: 054658 FRAME: 0820

Client Docket No.: 409014-US-NP Attorney Docket No.: MS1-9507US

I <u>Junia Anna GEORGE</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>IDENTIFICATION OF CONTENT GAPS BASED ON RELATIVE USER-SELECTION RATES BETWEEN MULTIPLE DISCRETE CONTENT SOURCES</u>" ("APPLICATION"), which:

X	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 December 15, 2020 and given Application No. 17/122,954 by
	the following Office "US - United States Patent and Trademark
	Office"; this APPLICATION's Application No., filing date, and Office,
	when known;
	was filed onand was given Application
	No by the following Office " <u>US - United States</u>
	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

Client Docket No.: 409014-US-NP Attorney Docket No.: MS1-9507US

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).

Invertor's Agnature

Junia Anna GEORGE

Printed Name in English

Printed Name in Native Language (if other than English)

Client Docket No.: 409014-US-NP Attorney Docket No.: MS1-9507US

I <u>Chetan BANSAL</u> ("ASSIC inventor of subject matter ("I application entitled " <u>IDENTIFICA</u> <u>SELECTION RATES BETWEEN MUI</u> which:	INVENTION") disclosed a	S BASED ON RELATIVE USER-
ASSIGNEE'S legal r LLC., One Microsof LEGAL REPRESENT on <u>December 15, 20</u> the following Offi	ASSIGNOR hereby authorepresentative, Microsoft of Way, Redmond, Washing (ATIVES), to insert here and given Application ce "US – United States (ATION's Application No.,	Technology Licensing, iton 98052 (ASSIGNEE'S in parentheses (filed No. <u>17/122,954</u> by Patent and Trademark
	and v by the following Office ark Office";	
behalf of itself and its successors of acquiring, the entire and exception of acquiring, the INVENTION and the derived therefrom, such as contunited States, its territories, and	s and assigns ("ASSIGNEE") clusive rights, title and in he APPLICATION (and all o tinuing applications, in wi l all foreign countries ("AP zes, and requests, ASSIGN	nterest, including the right of other applications and patents hole or in part, in and for the PLICATION DERIVATIVES"));
APPLICATION DERIVATIVES after		<u> </u>
Application No.	Filing Date	Office

Client Docket No.: 409014-US-NP Attorney Docket No.: MS1-9507US


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dit -	12/8/2020
Inventor's Signature	Date
Chetan BANSAL	
Printed Name in English	Printed Name in Native Language
	(if other than English)

Client Docket No.: 409014-US-NP Attorney Docket No.: MS1-9507US

I <u>Nikitha RAO</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>IDENTIFICATION OF CONTENT GAPS BASED ON RELATIVE USER-SELECTION RATES BETWEEN MULTIPLE DISCRETE CONTENT SOURCES</u>" ("APPLICATION"), which:

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Client Docket No.: 409014-US-NP Attorney Docket No.: MS1-9507US

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with	12/09/2020
Inventor's Signature	Date
Nikitha RAO	
Printed Name in English	Printed Name in Native Language
	(if other than English)

Client Docket No.: 409014-US-NP Attorney Docket No.: MS1-9507US

I <u>Casey Jo GOSSARD</u> ("AS	SIGNOR") am the original	inventor or an original joint
inventor of subject matter ("	INVENTION") disclosed a	nd/or claimed in a patent
application entitled "IDENTIFICA	ATION OF CONTENT GAPS	BASED ON RELATIVE USER-
SELECTION RATES BETWEEN MU	LTIPLE DISCRETE CONTEN	T SOURCES" ("APPLICATION"),
which:		
will be filed	ASSIGNOR hereby autho	arizes and requests
	representative, Microsoft	
J	t Way, Redmond, Washingt	5,
·	ATIVES), to insert here	
	• •	•
	020 and given Application	
<u> </u>	ce <u>"US - United States F</u>	
<del></del> ,	CATION's Application No.,	filing date, and Office,
when known;		
	and wa	
No by the following Office " <u>US – United States</u>		
<u>Patent and Tradem</u>	<u>ark Office</u> ";	
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to insert the Application No., f	iling date, and Office into	the following table for any
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Inventor's Signature

Casey Jo GOSSARD

Printed Name in English

Printed Name in Native Language (if other than English)

Client Docket No.: 409014-US-NP Attorney Docket No.: MS1-9507US

I <u>Dung NGUYEN</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>IDENTIFICATION OF CONTENT GAPS BASED ON RELATIVE USER-SELECTION RATES BETWEEN MULTIPLE DISCRETE CONTENT SOURCES"</u> ("APPLICATION"), which:

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Client Docket No.: 409014-US-NP Attorney Docket No.: MS1-9507US

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Juny Inventor's Signature	<i>12/14/2020</i> <b>Da</b> te
Dung NGUYEN	
Printed Name in English	Printed Name in Native Language
	(if other than English)

Client Docket No.: 409014-US-NP Attorney Docket No.: MS1-9507US

I <u>David Boyd LUDWIG IV</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>IDENTIFICATION OF CONTENT GAPS BASED ON RELATIVE USER-SELECTION RATES BETWEEN MULTIPLE DISCRETE CONTENT SOURCES"</u> ("APPLICATION"), which:

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Client Docket No.: 409014-US-NP Attorney Docket No.: MS1-9507US

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Main Elys	December 9, 2020
Inventor's Signature	Date
David Boyd LUDWIG IV	
Printed Name in English	Printed Name in Native Language
	(if other than English)

Client Docket No.: 409014-US-NP Attorney Docket No.: MS1-9507US

I <u>Curtis Dean ANDERSON</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>IDENTIFICATION OF CONTENT GAPS BASED ON RELATIVE USER-SELECTION RATES BETWEEN MULTIPLE DISCRETE CONTENT SOURCES</u>" ("APPLICATION"), which:

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	was filed onand was given Application			
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Inventor's Signature

Curtis Dean ANDERSON

Printed Name in English

Printed Name in Native Language (if other than English)

**RECORDED: 12/15/2020**