

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ANCA GENTIANA COMAN	12/11/2020
JOHN HERSCHEL VULNER	12/11/2020
JONATHAN CHRISTIAN LUDWIG	12/04/2020
JUSTIN EVAN SCHNEIDER	12/14/2020
RAMY SAROUFIM	12/14/2020
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:	17121377
CORRESPONDENCE DATA	
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Correspondent Name:	MANNAVA & KANG, PC
Address Line 1:	3201 JERMANTOWN ROAD
Address Line 2:	SUITE 525
Address Line 4:	FAIRFAX, VIRGINIA 22030
ATTORNEY DOCKET NUMBER:	2000.0129US1/409157-US-NP
NAME OF SUBMITTER:	TIMOTHY B. KANG
SIGNATURE:	/Timothy B. Kang/
DATE SIGNED:	12/14/2020
Total Attachments: 10	

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I Anca Gentiana COMAN ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "DETERMINATION OF RESULT DATA FOR SMALL MULTIPLES BASED ON SUBSETS OF A DATA SET" ("APPLICATION"), 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 12/14/2020 and given Application No. 17/121,377 by the US - United States Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known:

☐ was filed on _____ and was given Application No. _____ by the following 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")):

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Application No.	Filing Date	Office

PATENT ASSIGNMENT

MS Docket No.: 2000.0129US1/409157-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).

	12/11/2020
Inventor's Signature	Date
Anca Gentiana Coman	Anca Gentiana Coman
Printed Name in English	Printed Name in Native Language
Anca Gentiana COMAN	(if other than English)

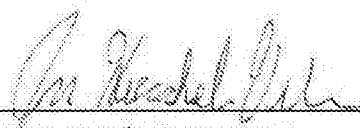
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[illegible]

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 Inventor's Signature	<u>12/11/2020</u> Date
<u>John Herschel Vulner</u> Printed Name in English	 Printed Name in Native Language (if other than English)
John Herschel VULNER	

I Jonathan Christian LUDWIG ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "DETERMINATION OF RESULT DATA FOR SMALL MULTIPLES BASED ON SUBSETS OF A DATA SET" ("APPLICATION"), which:

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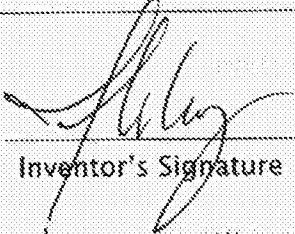
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 Inventor's Signature	12/6/20 Date
JONATHAN CHRISTIAN LUDWIG Printed Name in English	Printed Name in Native Language (if other than English)
Jonathan Christian LUDWIG	

I Justin Evan SCHNEIDER ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "DETERMINATION OF RESULT DATA FOR SMALL MULTIPLES BASED ON SUBSETS OF A DATA SET" ("APPLICATION"), which:

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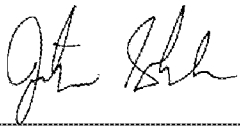
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	12/14/2020
Inventor's Signature	Date
Justin Evan SCHNEIDER	
Printed Name in English	Printed Name in Native Language
Justin Evan SCHNEIDER	(if other than English)

I Ramy SAROUFIM ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "EFFICIENT SCROLLABLE SMALL MULTIPLES USING DECLARATIVE VISUAL QUERY LANGUAGE" ("APPLICATION"), which:

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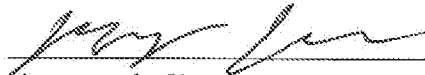
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 Inventor's Signature	<u>12/14/2020</u> Date
<u>Ramy Saroufim</u> Printed Name in English Ramy SAROUFIM	 Printed Name in Native Language (if other than English)