

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CHARLES JOSEPH RIES	01/03/2019
PATRICK NELSON	01/03/2019
CAGRI ASLAN	01/03/2019
GREGORY MISKELLY	01/03/2019
ISADORA SOPHIA GARCIA RODOPOULOS	01/03/2019
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:	16239474
CORRESPONDENCE DATA	
Fax Number:	
<i>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.</i>	
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Address Line 4:	REDMOND, WASHINGTON 98052
ATTORNEY DOCKET NUMBER:	405681-US-NP
NAME OF SUBMITTER:	JOHN OGILVIE
SIGNATURE:	/John Ogilvie/
DATE SIGNED:	01/03/2019
Total Attachments: 10	
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source=405681-US-NP_Assignment_CharlesJosephRIES#page1.tif
source=405681-US-NP_Assignment_CharlesJosephRIES#page2.tif
source=405681-US-NP_Assignment_GregoryMISKELLY#page1.tif
source=405681-US-NP_Assignment_GregoryMISKELLY#page2.tif
source=405681-US-NP_Assignment_IsadoraSophiaGARCIA-RODOPOULOS#page1.tif
source=405681-US-NP_Assignment_IsadoraSophiaGARCIA-RODOPOULOS#page2.tif
source=405681-US-NP_Assignment_PatrickNELSON#page1.tif
source=405681-US-NP_Assignment_PatrickNELSON#page2.tif

I, Cagri ASLAN (“ASSIGNOR”), am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “DATA BREAKPOINTS ON CERTAIN KINDS OF FUNCTIONS” (“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 _____ and given Application No. _____ by the following Office _____) this APPLICATION’s Application No., filing date, and Office, when known;
- was filed on _____ and was given Application No. _____ by the following Office “_____”;

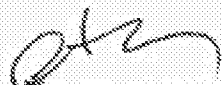
Microsoft Technology Licensing, LLC, a Washington limited liability company, on behalf of itself and its successors and assigns (“ASSIGNEE”), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (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”));

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

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	<u>1/3/2019</u> _____ Date
Cagri ASLAN _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

I, Charles Joseph RIES ("ASSIGNOR"), am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "DATA BREAKPOINTS ON CERTAIN KINDS OF FUNCTIONS" ("APPLICATION"), which:

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 _____ Inventor's Signature	<u>1/3/2019</u> _____ Date
<u>Charles Joseph RIES</u> _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

I, Gregory MISKELLY ("ASSIGNOR"), am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "DATA BREAKPOINTS ON CERTAIN KINDS OF FUNCTIONS" ("APPLICATION"), which:

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 Inventor's Signature	1/3/2019 Date
Gregory MISKELLY Printed Name in English	Printed Name in Native Language (if other than English)

I, Isadora Sophia GARCIA RODOPOULOS ("ASSIGNOR"), am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "DATA BREAKPOINTS ON CERTAIN KINDS OF FUNCTIONS" ("APPLICATION"), which:

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I, Patrick NELSON (“ASSIGNOR”), am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “DATA BREAKPOINTS ON CERTAIN KINDS OF FUNCTIONS” (“APPLICATION”), which:

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 Inventor's Signature	1/3/2019 Date
Patrick NELSON Printed Name in English	 Printed Name in Native Language (if other than English)