PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5463193

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
CHRISTIAN V. MATHIESEN	03/19/2019	
EMRECAN DOGAN	03/19/2019	
ALP ARTAR	03/19/2019	
MUSTAFA EMRE KAZDAGLI	03/19/2019	

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:	16359793

CORRESPONDENCE DATA

Fax Number: (530)759-1665

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: 530-759-1660

Email: jeannie@parklegal.com DANIEL E. VAUGHAN **Correspondent Name:**

Address Line 1: PARK, VAUGHAN, FLEMING & DOWLER LLP

Address Line 2: 2820 FIFTH STREET

Address Line 4: DAVIS, CALIFORNIA 95618

ATTORNEY DOCKET NUMBER:	LI-902443-US-NP
NAME OF SUBMITTER:	DANIEL E. VAUGHAN
SIGNATURE:	/Daniel E. Vaughan/
DATE SIGNED:	04/08/2019

Total Attachments: 8

source=LI-902443-US-NP Assignments signed#page1.tif source=LI-902443-US-NP Assignments_signed#page2.tif

PATENT REEL: 048821 FRAME: 0552 505416403



PATENT REEL: 048821 FRAME: 0553

		PATENT ASSIGNMENT	S Docket No.: LI-902443-US-NP
		M	.s Docket No.: <u>L1-902443-US-NP</u>
original joint	inventor of subject ation entitled "ASS	en ("ASSIGNOR") am the t matter ("INVENTION") dis ESSMENT-BASED OPPORTI	sclosed and/or claimed in a
	ASSIGNEE'S legal LLC, One Microso LEGAL REPRESENT on	GNOR hereby authorizes, a representative, Microsoft T ft Way, Redmond, Washing ATIVES), to insert here in page and given Applicatio	echnology Licensing, Iton 98052 (ASSIGNEE'S parentheses (filed In No.
		Office " <u>U.S. Patent and T</u> oplication No., filing date,	
was filed on 20 March 2019 and was given Application No. 16/359,793 by the following Office "U.S. Patent and Trademark Office";			
behalf of itsel acquiring, the in the INVEN ⁻ therefrom, su	If and its successor e entire and exclus TION and the APPL Ich as continuing a	s and assigns ("ASSIGNEE") ive rights, title and interest ICATION (and all other ap	n limited liability company, on, is entitled to, and is desirous of t, including the right of priority, oplications and patents derived part, in and for the United States, RIVATIVES"));
insert the A		ing date, and Office into	EE'S LEGAL REPRESENTATIVES to the following table for any
Application N		Filing Date	Office
		·	
			ı

MS Docket No.: LI-902443-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).

Christian Mathurac Inventor's Signature	3/19/20(9 Date
Christian V. Mathiesen Printed Name in English	Printed Name in Native Language
	(if other than English)

	M	S Docket No.: <u>LI-902443-US-NP</u>
I <u>Emrecan Dogan</u> (inventor of subject matter ("INV entitled " <u>ASSESSMENT-BASED</u> C	ENTION") disclosed and/or	
ASSIGNEE'S legal LLC, One Microso LEGAL REPRESENT on by the following O	GNOR hereby authorizes, a representative, Microsoft Tf tway, Redmond, Washing ATIVES), to insert here in pand given Application of the modern and Toplication No., filing date,	echnology Licensing, iton 98052 (ASSIGNEE'S parentheses (filed in No rademark Office" this
	March 2019 and wasby the following Office '";	
behalf of itself and its successor acquiring, the entire and exclus in the INVENTION and the APPL therefrom, such as continuing a its territories, and all foreign co	is and assigns ("ASSIGNEE"), ive rights, title and interest LICATION (and all other appplications, in whole or in pountries ("APPLICATION DEI	, including the right of priority, plications and patents derived part, in and for the United States, RIVATIVES"));
ASSIGNOR hereby author insert the Application No., fil APPLICATION DERIVATIVES after	ing date, and Office into	EE'S LEGAL REPRESENTATIVES to the following table for any
Application No.	Filing Date	Office

MS Docket No.: <u>LI-902443-US-NP</u>

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	3/19/2019 Date
Emrecan Dogan Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: <u>LI-902443-US-NI</u>
I <u>Alp Artar</u> ("ASSIGNOR") am the original inventor or an original joint inventor o ubject matter ("INVENTION") disclosed and/or claimed in a patent application entitled ASSESSMENT-BASED OPPORTUNITY EXPLORATION" ("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 onand given Application No
by the following Office " <u>U.S. Patent and Trademark Office</u> " this APPLICATION's Application No., filing date, and Office, when known;
was filed on 20 March 2019 and was given Application No. 16/359,793 by the following Office "U.S. Patent and Trademark Office";
Microsoft Technology Licensing, LLC, a Washington limited liability company, or ehalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous o

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	
·			

MS Docket No.: LI-902443-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).

ler	3/19/2019
Inventor's Signature	Date
Alp Artar	
Printed Name in English	Printed Name in Native Language (if other than English)

MS Docket No.: LI-902443-US-NP

		141	D DOCKOCTIO DI JOZITIS CO TIL
inventor of su	ıbject matter ("INV	ENTION") disclosed and/or	inal inventor or an original joint claimed in a patent application <u>N</u> " ("APPLICATION"), which:
	ASSIGNEE'S legal r LLC, One Microsof LEGAL REPRESENT on by the following C	GNOR hereby authorizes, a representative, Microsoft T ft Way, Redmond, Washing ATIVES), to insert here in and given Application office "U.S. Patent and T oplication No., filing date,	echnology Licensing, gton 98052 (ASSIGNEE'S parentheses (filed on No rademark Office" this
	was filed on 20 March 2019 and was given Application No. 16/359,793 by the following Office "U.S. 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 Ap		ing date, and Office into	the following table for any
Application N	0.	Filing Date	Office
		·	
	<u> </u>		
<u> </u>			

MS Docket No.: LI-902443-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).

Inventor's Signature

Mustafa Emre Kazdagli

Printed Name in English

O3/19/2019

Date

Mustafa Emre Kazdagli

Printed Name in Native Language

(if other than English)