506167144 07/22/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6213881

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ABHISHEK ABHISHEK	07/02/2018
KHAWAR ZUBERI	05/25/2018
JIE LIU	05/27/2018
ROUZBEH AMINPOUR	05/25/2018
ZHENGYOU ZHANG	06/06/2018
ALI DALLOUL	05/29/2018
DIMITRIOS LYMBEROPOULOS	05/31/2018
MICHEL GORACZKO	05/25/2018
TONY CAPONE	06/05/2018
DI WANG	05/29/2018
YI LU	05/30/2018
YASSER B. ASMI	05/29/2018

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:	16908528

CORRESPONDENCE DATA

Fax Number: (509)381-3110

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: 4255389035

Email: usdocket@microsoft.com

Correspondent Name: MICROSOFT CORPORATION

Address Line 1: ONE MICROSOFT WAY

Address Line 4: REDMOND, WASHINGTON 98052

506167144 REEL: 053287 FRAME: 0549

PATENT -

ATTORNEY DOCKET NUMBER:	403604-US-CNT
NAME OF SUBMITTER:	ALEX LEA
SIGNATURE:	/alex lea/
DATE SIGNED:	07/22/2020

Total Attachments: 23

source=403604-US-CNT Parent-Assignment#page1.tif source=403604-US-CNT Parent-Assignment#page2.tif source=403604-US-CNT Parent-Assignment#page3.tif source=403604-US-CNT_Parent-Assignment#page4.tif source=403604-US-CNT_Parent-Assignment#page5.tif source=403604-US-CNT Parent-Assignment#page6.tif source=403604-US-CNT Parent-Assignment#page7.tif source=403604-US-CNT_Parent-Assignment#page8.tif source=403604-US-CNT Parent-Assignment#page9.tif source=403604-US-CNT Parent-Assignment#page10.tif source=403604-US-CNT Parent-Assignment#page11.tif source=403604-US-CNT_Parent-Assignment#page12.tif source=403604-US-CNT_Parent-Assignment#page13.tif source=403604-US-CNT Parent-Assignment#page14.tif source=403604-US-CNT Parent-Assignment#page15.tif source=403604-US-CNT_Parent-Assignment#page16.tif source=403604-US-CNT_Parent-Assignment#page17.tif source=403604-US-CNT Parent-Assignment#page18.tif source=403604-US-CNT Parent-Assignment#page19.tif source=403604-US-CNT Parent-Assignment#page20.tif source=403604-US-CNT_Parent-Assignment#page21.tif source=403604-US-CNT_Parent-Assignment#page22.tif source=403604-US-CNT Parent-Assignment#page23.tif

> PATENT REEL: 053287 FRAME: 0550

I <u>Abhishek ABHISHEK</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>CONTEXT-AWARENESS</u>" ("APPLICATION"), which:

will be filed. ASSIGNOR hereby aut	horizes, and requests, ASSIGNEE'S
legal representative, Microsoft Technology I	licensing, LLC., One Microsoft Way,
Redmond, Washington 98052 (ASSIGNEE	
insert here in parentheses (filed on	and given Application No.
by the following Office) this
APPLICATION's Application No., filing date	te, and Office, when known;

was filed on <u>April 27, 2018</u> and was given Application No <u>15/965.581</u> by the following Office "<u>USPIO</u>";

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).

A	7-2-2618
Inventor's Signature Abhishek ABHISHEK	Date
Printed Name in English	Printed Name in Native Language (if other than English)

Page 1 of 3

PATENT ASSIGNMENT MS Docket No.: 403604-US-NP

	I, <u>Khawar ZUBERI</u> , ("ASSIC inventor of subject matter ("I application entitled " <u>CONTEXT-A</u>	NVENTION") disclosed a	•
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;	ASSIGNEE'S legal r LLC., One Microsof LEGAL REPRESENT on the following Of	epresentative, Microsoft to the way, Redmond, Washingth ATIVES), to insert here and given Application ffice	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed Noby) this
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 DERIVATIVES after they are known;	behalf of itself and its successors of acquiring, the entire and exception of priority, in the INVENTION and the derived therefrom, such as continuited States, its territories, and ASSIGNOR hereby authorized	s and assigns ("ASSIGNEE"), clusive rights, title and in he APPLICATION (and all o inuing applications, in wh all foreign countries ("APF zes, and requests, ASSIGN	is entitled to, and is desirous terest, including the right of ther applications and patents tole or in part, in and for the PLICATION DERIVATIVES"));
Application No. Filing Date Office			o the following table for all,
	Application No.	Filing Date	Office

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MS Docket No.: 403604-US-NP

Khawe	5/25/2018	
Inventor's Signature	Date	
Khawar ZUBERI		
Printed Name in English	Printed Name in Native Language	
	(if other than English)	

	J will be filed. ASSIGN ASSIGNEE'S legal represe LLC., One Microsoft Way, LEGAL REPRESENTATIVES onan the following Office	intative, Microso Redmond, Washir), to insert her d given Applicatio	ft Technology Licensing, ngton 98052 (ASSIGNEE'S re in parentheses (filed on Noby) this
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behalf of its of acquiring priority, in the derived the United State ASSIGN APPLICATION	osoft Technology Licensing, self and its successors and as g, the entire and exclusive the INVENTION and the APPI refrom, such as continuing es, its territories, and all fore ENOR hereby authorizes, and explication No., filing dath DERIVATIVES after they ar	LLC, a Washingtonsigns ("ASSIGNEE rights, title and JCATION (and all applications, in value of requests, ASSIGNEE in and Office in known;	on limited liability company, E"), is entitled to, and is desirting the right interest, including the right other applications and pate whole or in part, in and for APPLICATION DERIVATIVES")). SINEE'S LEGAL REPRESENTATION the following table for the second control of the second contro

MS Docket No.: 403604-US-NP

MS Docket No.: 403604-US-NP

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	5/27/298
Inventor's Signature	Date
Jie LIU	之一步
Printad Noma in Fnalich	Orintal Mama in Nativa I anausa

(if other than English)

I <u>Rouzbeh AMINPOUR</u> ("A	SSIGNOR") am the original	inventor or an original joint
inventor of subject matter ("	INVENTION") disclosed a	nd/or claimed in a patent
application entitled "CONTEXT-A	<u>AWARENESS</u> " ("APPLICATIOI	N"), which:
ASSIGNEE'S legal in LLC., One Microsof LEGAL REPRESENT on the following O	ASSIGNOR hereby authorepresentative, Microsoft of Way, Redmond, Washington (ATIVES), to insert here and given Application of ffice and filing date, are plication No., filing date, are	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed Noby
	27, 2018 and was given Aperfollowing Office " <u>USPTO</u> ";	•
behalf of itself and its successors of acquiring, the entire and expriority, in the INVENTION and to derived therefrom, such as confunited States, its territories, and	s and assigns ("ASSIGNEE"), clusive rights, title and in he APPLICATION (and all o tinuing applications, in wh I all foreign countries ("API zes, and requests, ASSIGN illing date, and Office into	terest, including the right of ther applications and patents ole or in part, in and for the PLICATION DERIVATIVES")); EE'S LEGAL REPRESENTATIVES
Application No.	Filing Date	Office
Application No.	Timing Date	Office

MS Docket No.: 403604-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"));

	05-25-2018
Invento s signature	Date
Rouzbeh AMINPOUR	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT MS Docket No.: 403604-US-NP

□ 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	I, <u>Zhengyou ZHANG</u> , ("AS inventor of subject matter ("I application entitled <u>"CONTEXT-A</u>	INVENTION") disclosed a	•
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;	ASSIGNEE'S legal r LLC., One Microsof LEGAL REPRESENT on the following Of	representative, Microsoft to Way, Redmond, Washingth ATIVES), to insert here and given Application	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed No by) this
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 DERIVATIVES after they are known;	behalf of itself and its successors of acquiring, the entire and exception priority, in the INVENTION and the derived therefrom, such as continuited States, its territories, and ASSIGNOR hereby authority	s and assigns ("ASSIGNEE"), clusive rights, title and in he APPLICATION (and all o cinuing applications, in wh all foreign countries ("APF zes, and requests, ASSIGN	is entitled to, and is desirous terest, including the right of ther applications and patents tole or in part, in and for the PLICATION DERIVATIVES"));
Application No. Filing Date Office			,
	Application No.	Filing Date	Office

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MS Docket No.: 403604-US-NP

	6/6/2018
Inventor's Signature	Date
Zhengyou ZHANG	张正友
Printed Name in English	Printed Name in Native Language
	(if other than English)

	PATENT A	SSIGNMENT	MS Docket No.:	403604-US-NP
of subject ma		OR") am the original inv disclosed and/or claim .ICATION"), which:	_	-
	ASSIGNEE'S legal is LLC., One Microsof LEGAL REPRESENT on the following Of	ASSIGNOR hereby a representative, Micros t Way, Redmond, Wash ATIVES), to insert hereby and given Application No., filing data	oft Technology hington 98052 (A ere in parenthe tion No.	Licensing, ASSIGNEE'S eses (filedby) this
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Application		Filing Date	Office	

Page 1 of 2

MS Docket No.: <u>403604-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"));

Inventor's Signature	5/29/18 Date
Ali DALLOUL	
Printed Name in English	Printed Name in Native Language
	(if other than English)

was filed on <u>April 27, 2018</u> and was given Application No <u>15/965,581</u> by the following Office "<u>USPTO</u>";

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

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MS Docket No.: 403604-US-NP

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).

PATENT ASSIGNMENT MS Docket No.: 403604-US-NP

I, <u>Michel GORACZKO</u> inventor of subject matter application entitled " <u>CONTEX</u>	("INVENTION") disclo	sed and/or cla	aimed in a patent
ASSIGNEE'S legal LLC., One Microst LEGAL REPRESE onthe following	ASSIGNOR hereby of representative, Microsoft Way, Redmond, Wand MTATIVES), to insert office filling of the control of the cont	osoft Technologishington 98052 here in paren cation No.	gy Licensing, 2 (ASSIGNEE'S theses (filedby) this
	<u>il 27, 2018</u> and was gi the following Office " <u>U</u>		No
Microsoft Technology L behalf of itself and its success of acquiring, the entire and of priority, in the INVENTION and derived therefrom, such as co United States, its territories, a	ors and assigns ("ASSIO exclusive rights, title d the APPLICATION (an ontinuing applications	GNEE"), is entitle and interest, in d all other appli , in whole or in	d to, and is desirous cluding the right of ications and patents part, in and for the
ASSIGNOR hereby authors	•		
to insert the Application No. APPLICATION DERIVATIVES aft		ce into the foll	owing table for any
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"));

MS Docket No.: 403604-US-NP

05/25/2017

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Inventor's Signature Date

Michel GORACZKO Michał Gorączko

Printed Name in English Printed Name in Native Language (if other than English)

																																ř	

I, Tony CAPONE, ("ASSIGNOR") am the origin	al inventor or an original joint inventor
of subject matter ("INVENTION") disclosed and/or (claimed in a patent application entitled
"CONTEXT-AWARENESS" ("APPLICATION"), which:	

will	be	filed.	ASSIGNOR	hereby	auth	orizes,	and	requ	ests,
ASSI	GNEE	'S legal	representat	ive, Mici	osoft	Techno	logy	Licen	sing,
LLC.	, One	Micros	oft Way, Redi	nond, W	ashing	ton 98()52 (A	SSIGN	IEE'S
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was filed on <u>April 27, 2018</u> and was given Application No <u>15/965,581</u> by the following Office "<u>USPTO</u>";

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Application No.	Filing Date	Office	

MS Docket No.: 403604-US-NP

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Tow Capovo	6/5/2018
Inventor' Signature	Date
Tony CAPONE	
Printed Name in English	Printed Name in Native Language
	(if other than English)

	PATENT	CASSIGNMENT	MS Docket No.:	403604-US-NF
subject mat	ter ("INVENTION")		iventor or an original simed in a patent ap	· ·
	ASSIGNEE'S lega LLC., One Micros LEGAL REPRESE! on the following	I representative, Micoft Way, Redmond, V NTATIVES), to inser and given App Office	vauthorizes, and crosoft Technology Vashington 98052 (A there in parenthe lication No.	Licensing, SSIGNEE'S ses (filedby) this
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o insert the	Application No.,		ASSIGNEE'S LEGAL RE ice into the followin	
Application		Filing Date	Office	

MS Docket No.: 403604-US-NP

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Inventor's Signature

DI WANG

Printed Name in English

05/29/2018

Date

王业

Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT MS Docket No.: 403604-US-NP

I, Yi LU, ("ASSIGNOR") am subject matter ("INVENTION") dis " <u>CONTEXT-AWARENESS</u> " ("APPLI	sclosed and/or claimed in	an original joint inventor of a patent application entitled
ASSIGNEE'S legal r LLC., One Microsof LEGAL REPRESENT on the following Of	ASSIGNOR hereby authorepresentative, Microsoft to Way, Redmond, Washings ATIVES), to insert here and given Application office blication No., filing date, and given and given blication was a second control of the control of th	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed Noby) this
-	27, 2018 and was given Ap following Office " <u>USPTO</u> ";	•
behalf of itself and its successors of acquiring, the entire and exception priority, in the INVENTION and the derived therefrom, such as contunited States, its territories, and	s and assigns ("ASSIGNEE"), clusive rights, title and in ne APPLICATION (and all o inuing applications, in wh all foreign countries ("API zes, and requests, ASSIGN iling date, and Office into	terest, including the right of ther applications and patents tole or in part, in and for the PLICATION DERIVATIVES")); EE'S LEGAL REPRESENTATIVES
Application No.	Filing Date	Office
	-	

MS Docket No.: 403604-US-NP

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Inventor's Signature

Yi LU

Printed Name in English

05/39/2018 te

Date

Printed Name in Native Language (if other than English)

MS Docket No.:	<u>403604-US-NP</u>
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inventor of sub	oject matter ("l	·	inventor or an original joi and/or claimed in a pate ON"), which:	
ASS LLC LEC on the	SIGNEE'S legal ro C., One Microsoft GAL REPRESENTA following Of	ASSIGNOR hereby auth epresentative, Microsoft Way, Redmond, Washing ATIVES), to insert here and given Application fice	Technology Licensing, ston 98052 (ASSIGNEE'S in parentheses (filed by this	
		<u>7, 2018</u> and was given A following Office " <u>USPTO</u> "		
behalf of itself ar of acquiring, the priority, in the IN derived therefron	nd its successors e entire and exci IVENTION and th m, such as conti	and assigns ("ASSIGNEE") lusive rights, title and in e APPLICATION (and all c nuing applications, in wi	i limited liability company, o , is entitled to, and is desirou iterest, including the right o other applications and patent nole or in part, in and for th PLICATION DERIVATIVES"));	us of ts
ASSIGNOR	hereby authoriz	es, and requests, ASSIGN	EE'S LEGAL REPRESENTATIVE	:5
	•	,	o the following table for an	
APPLICATION DE	RIVATIVES after t	hey are known;		
Application No.		Filing Date	Office	
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				· constant
				. designation
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MS Docket No.: 403604-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"));

J.L.	5/29/2018
Inventor's Signature	Date
Yasser B. ASMI	
Printed Name in English	Printed Name in Native Language
	(if other than English)