#### 505545463 06/26/2019

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5592260

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
VIDYA SRINIVASAN	05/21/2019
ANDREW JOHN HOWE	05/28/2019
MICHAEL LEE SMITH	05/20/2019
AMY SCARFONE	06/21/2019
PURNIMA RAO	05/28/2019
ANIKET HANDA	05/22/2019
NATHAN BRADLEY DUKE	05/28/2019
COLTON BRETT MARSHALL	06/21/2019
HAROLD ANTHONY MARTINEZ MOLINA	05/22/2019

### **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:	16413478

## **CORRESPONDENCE DATA**

Fax Number:

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.

Email: usdocket@microsoft.com

Correspondent Name: MICROSOFT TECHNOLOGY LICENSING, LLC

Address Line 1: ONE MICROSOFT WAY

Address Line 4: REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	14917.3803US01
NAME OF SUBMITTER:	JULIANA HOFFMAN
SIGNATURE:	/Juliana Hoffman/

**PATENT** REEL: 049596 FRAME: 0369

505545463

DATE SIGNED:	06/26/2019
Total Attachments: 18	
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PATENT REEL: 049596 FRAME: 0370

∣ Vidya SRINIVASAN	("ASSIGN	OR") am the original inventor
or an original joint inventor of su		
a patent application entitled "COI	-	
<u>APPLICATION</u> " ("APPLICATION"), v		<u> </u>
/ATEIC/ATION (/ATEIC/ATION ),	Willett.	
$\square$ will be filed.	ASSIGNOR hereby autho	orizes, and requests,
	epresentative, Microsoft	•
J	Way, Redmond, Washingt	3,
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	and given Application	•
the following Of		) this
_	blication No., filing date, ar	
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⊠ was filed on May 1!	5, 2019 and was given Ap	plication No
16/413.478 by the	following Office "United S	tates Patent and
Trademark Office";	<u> </u>	
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behalf of itself and its successors of acquiring, the entire and exceptionity, in the INVENTION and the derived therefrom, such as cont United States, its territories, and	s and assigns ("ASSIGNEE"), clusive rights, title and in ne APPLICATION (and all o inuing applications, in wh	terest, including the right of ther applications and patents ole or in part, in and for the
ASSIGNOR hereby authoriz	zes, and requests, ASSIGN	EE'S LEGAL REPRESENTATIVES
to insert the Application No., fi	<del>-</del>	the following table for any
APPLICATION DERIVATIVES after	they are known;	
Application No.	Filing Date	Office

Mary 5.	05/21/2019
Inventor's Signature	Date
Vidya SRINIVASAN	
Printed Name in English	Printed Name in Native Language (if other than English)

I Andr	ew John HOWE		_ ("ASSIGNOR") am the origi	inal inventor
or an origina			- IVENTION") disclosed and/o	
a patent app	lication entitled " <u>CC</u>	NTENT INDICATO	<u>DRS IN A 3D ENVIRONMENT</u>	<u>AUTHORING</u>
<u>APPLICATION</u>	<u>I</u> " ("APPLICATION"),	which:		
	ASSIGNEE'S legal LLC, One Microsof LEGAL REPRESENT on the following C	representative, N it Way, Redmond, FATIVES), to ins and given Ap office	by authorizes, and requiricrosoft Technology Licer Washington 98052 (ASSIG ert here in parentheses oplication No	nsing, NEE'S (filed by this
	APPLICATION's Ap	plication No., filir	ng date, and Office, when kr	nown;
Ø	was filad on May 1	5 2010 and was	given Application No	
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	Trademark Office"		" <u>United States Patent and</u>	
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of acquiring priority, in the derived there	the entire and ex ne INVENTION and refrom, such as con	clusive rights, til he APPLICATION tinuing application	SSIGNEE"), is entitled to, and the and interest, including (and all other applications ons, in whole or in part, in tries ("APPLICATION DERIVA	the right of and patents and for the
			s, ASSIGNEE'S LEGAL REPRE	
	Application No., i I DERIVATIVES after		Office into the following to	able for any
Application		Filing Date	Office	
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Page 1 of 2

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).

Date

[] !/ K 5-28-19

Andrew John HOWE

Printed Name in English Printed N

Printed Name in Native Language (if other than English)

∣ Michael Lee SMITH	("ASSIGN	OR") am the original inventor
or an original joint inventor of si		,
a patent application entitled " <u>CO</u>	-	
APPLICATION" ("APPLICATION"),		
$\square$ will be filed.	ASSIGNOR hereby autho	orizes, and requests,
ASSIGNEE'S legal	representative, Microsoft	Technology Licensing.
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•	ATIVES), to insert here	
	and given Application	•
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5	plication No., filing date, ar	
, and Elexation 3 / Ap	prication 140., ming date, an	ia Office, when known,
🛛 was filed on <u>May 1</u>	5, 2019 and was given Ap	plication No
16/413.478 by the	e following Office " <u>United S</u>	States Patent and
Trademark Office":		
behalf of itself and its successor of acquiring, the entire and ex priority, in the INVENTION and t derived therefrom, such as con	s and assigns ("ASSIGNEE") clusive rights, title and in he APPLICATION (and all o tinuing applications, in wh	terest, including the right of ther applications and patents nole or in part, in and for the
United States, its territories, and	l all foreign countries ("API	PLICATION DERIVATIVES"));
ASSIGNOR hereby authori	zes, and requests, ASSIGN	EE'S LEGAL REPRESENTATIVES
to insert the Application No., f	•	
APPLICATION DERIVATIVES after	<del>-</del>	,
Application No.	Filing Date	Office

Michael Smith	5/20/2019
Inventor's Signature	Date
Michael Lee SMITH	
Printed Name in English	Printed Name in Native Language (if other than English)

<sub>I</sub> Amy	SCARFONE	("ASSIGN	OR") am the original inventor
or an origina	l joint inventor of su		") disclosed and/or claimed in
_	-	-	D ENVIRONMENT AUTHORING
	I" ("APPLICATION"), <sup>1</sup>		
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	will be filed.	ASSIGNOR hereby autho	orizes, and requests,
	ASSIGNEE'S legal r	epresentative, Microsoft	Technology Licensing,
	LLC, One Microsoft	Way, Redmond, Washingt	on 98052 (ASSIGNEE'S
	LEGAL REPRESENT	ATIVES), to insert here	in parentheses (filed
	on	and given Application	Noby
	the following Of	fice	) this
	APPLICATION's App	olication No., filing date, ar	nd Office, when known;
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<u></u>		following Office " <u>United S</u>	
	Trademark Office";	Tollowing Office Officed 3	itates ratent and
	Trademark Office,		
of acquiring, priority, in th derived there	the entire and exc ne INVENTION and the efrom, such as cont	clusive rights, title and in ne APPLICATION (and all o inuing applications, in wh	is entitled to, and is desirous terest, including the right of ther applications and patents iole or in part, in and for the PLICATION DERIVATIVES"));
ASSIG	NOR hereby authori	zes, and requests, ASSIGN	EE'S LEGAL REPRESENTATIVES
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	I DERIVATIVES after		,
Application		Filing Date	Office

· 4	6/21/19
Inventor's Signature	Date
Amy SCARFONE	
Printed Name in English	Printed Name in Native Language
	(if other than English)

∣ Purnima RAO	)	("ASSIGN	IOR") am the original invento	r
or an original joint in			") disclosed and/or claimed in	
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ASSIGN	NEE'S legal representati	ve, Microsoft	Technology Licensing,	
LLC, O	ne Microsoft Way, Redn	nond, Washingt	ton 98052 (ASSIGNEE'S	
LEGAL	REPRESENTATIVES), to	insert here	in parentheses (filed	
on	and giv	en Application	Noby	
the fo	ollowing Office		) this	
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Application No.	Filing Date		Office	
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Purnima Rao	May 28 2019
Inventor's Signature	Date
Purnima RAO	
Printed Name in English	Printed Name in Native Language (if other than English)

լ Anik	et HANDA	("ASSIGN	OR") am the original inventor
or an origina			") disclosed and/or claimed in
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	<u>N</u> " ("APPLICATION"),		
	will be filed.	ASSIGNOR hereby autho	orizes, and requests,
	ASSIGNEE'S legal r	epresentative, Microsoft	Technology Licensing,
	LLC, One Microsoft	: Way, Redmond, Washingt	on 98052 (ASSIGNEE'S
	LEGAL REPRESENT	ATIVES), to insert here	in parentheses (filed
	on	and given Application	Noby
	the following Of	ffice	) this
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$\boxtimes$	was filed on May 1	<u>5, 2019</u> and was given Ap	plication No
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behalf of its of acquiring priority, in t	elf and its successors g, the entire and exc the INVENTION and t	s and assigns ("ASSIGNEE"), clusive rights, title and in he APPLICATION (and all o	limited liability company, on, is entitled to, and is desirous terest, including the right of ther applications and patents
			iole or in part, in and for the PLICATION DERIVATIVES"));
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	N DERIVATIVES after		
Application	ı No.	Filing Date	Office

Airet	05/22/2019
Inventor's Signature	Date
Aniket HANDA	
Printed Name in English	Printed Name in Native Language
	(if other than English)

ا Natha	in Bradley DUKE	("ASSIGN	OR") am the original inventor
or an original	joint inventor of su	bject matter ("INVENTION"	") disclosed and/or claimed in
a patent appli	cation entitled " <u>CO</u> I	NTENT INDICATORS IN A 3	D ENVIRONMENT AUTHORING
APPLICATION	" ("APPLICATION"), \	which:	
	will be filed.	ASSIGNOR hereby autho	rizes, and requests,
	ASSIGNEE'S legal r	epresentative, Microsoft	Technology Licensing,
	LLC, One Microsoft	Way, Redmond, Washingt	on 98052 (ASSIGNEE'S
	LEGAL REPRESENT	ATIVES), to insert here	in parentheses (filed
	on	and given Application	Noby
	the following Of	fice	) this
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abla	was filed on May 1	C 2010 and was given Am	ulication No
		5, 2019 and was given Ap	
		following Office " <u>United S</u>	states Patent and
	<u>Trademark Office</u> ";		
Micros	oft Technology Lice	ensing, LLC, a Washington	limited liability company, on
behalf of itsel	f and its successors	and assigns ("ASSIGNEE"),	is entitled to, and is desirous
of acquiring,	the entire and exc	clusive rights, title and in	terest, including the right of
priority, in the	e INVENTION and th	ne APPLICATION (and all o	ther applications and patents
derived there	from, such as cont	inuing applications, in wh	ole or in part, in and for the
United States	, its territories, and	all foreign countries ("APF	PLICATION DERIVATIVES"));
ASSIGN	IOR hereby authoriz	zes, and requests, ASSIGN	EE'S LEGAL REPRESENTATIVES
to insert the	Application No., fi	ling date, and Office into	the following table for any
APPLICATION	DERIVATIVES after	they are known;	
Application I	No.	Filing Date	Office

	F 100 140
Nathan Duke	5/28/19
Inventor's Signature	Date
Nathan Bradley DUKE	
Printed Name in English	Printed Name in Native Language
	(if other than English)

<sub> </sub> Colto	n Brett MARSHALL	("ASSIGN	OR") am the original inventor
or an origina	l ioint inventor of su		") disclosed and/or claimed in
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	<u>"</u> " ("APPLICATION"), v		
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	ASSIGNEE'S legal r	epresentative, Microsoft	Technology Licensing.
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	Trademark Office";	<u>-</u>	
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ASSIGI	NOR hereby authori:	zes, and requests, ASSIGN	EE'S LEGAL REPRESENTATIVES
to insert the	Application No., fi	iling date, and Office into	the following table for any
APPLICATION	I DERIVATIVES after	they are known;	
Application	No.	Filing Date	Office
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Gellan Max IM	6/21/2019
Inventor's Signature	Date
Colton Brett MARSHALL	
Printed Name in English	Printed Name in Native Language (if other than English)

<sub>I</sub> Haro	d Anthony MARTINEZ	MOLINA ("ASSIGN	OR") am the original inventor
			") disclosed and/or claimed in
a patent app	lication entitled " <u>CO</u>	NTENT INDICATORS IN A 3	D ENVIRONMENT AUTHORING
	" ("APPLICATION"),		
	will be filed.	ASSIGNOR hereby autho	orizes, and requests,
	ASSIGNEE'S legal	representative, Microsoft	Technology Licensing,
	LLC, One Microsof	t Way, Redmond, Washingt	ton 98052 (ASSIGNEE'S
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	Trademark Office ,	,	
Micro	soft Technology Lic	ensing, LLC, a Washington	limited liability company, on
behalf of itse	elf and its successor	s and assigns ("ASSIGNEE")	, is entitled to, and is desirous
of acquiring	, the entire and ex	clusive rights, title and in	terest, including the right of
priority, in th	ne INVENTION and t	he APPLICATION (and all o	ther applications and patents
derived ther	efrom, such as cont	tinuing applications, in wh	role or in part, in and for the
United States	s, its territories, and	l all foreign countries ("API	PLICATION DERIVATIVES"));
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Application		Filing Date	Office
Application	NO.	Filling Date	Office

Harold Martinez Inventor's Signature	05/22/2019
Inventor's Signature	Date
Harold Anthony MARTINEZ MOLINA	
Printed Name in English	Printed Name in Native Language
	(if other than English)