PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5423329

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PRANISH ATUL KUMAR	01/07/2019
PAUL ADRIAN FOY	12/03/2018
PAUL FRAEDRICH ESTES	12/03/2018
JERED D AASHEIM	11/30/2018
TAI CHOU	11/18/2018
DAVID B APPEL	02/25/2019

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:	16206644

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: SCHWEGMAN LUNDBERG & WOESSNER P.A.

Address Line 1: P.O. BOX 2938

Address Line 4: MINNEAPOLIS, MINNESOTA 55402-0938

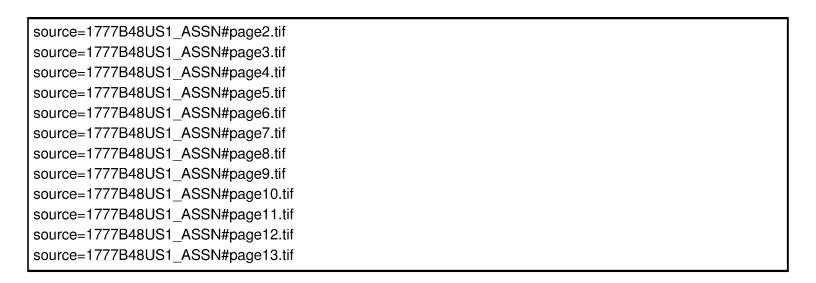
ATTORNEY DOCKET NUMBER:	405342-US-NP/1777.B48US1
NAME OF SUBMITTER:	TYLYN MOORE
SIGNATURE:	/tylyn moore/
DATE SIGNED:	03/15/2019

Total Attachments: 13

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PATENT REEL: 048606 FRAME: 0477

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PATENT REEL: 048606 FRAME: 0478

RECORDATION FORM COVER SHEET PATENTS ONLY

Atty Ref/Docket No.: 405342-US-NP (1777.B48US1) Patent and Trademark Office To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Name: Microsoft Technology Licensing, LLC Pranish Atul Kumar, Paul Adrian Foy, Paul Fraedrich Street Address: One Microsoft Way Estes, Jered D Aasheim, Tai Chou, David B Appel Additional name(s) of conveying party(ies) attached? City: Redmond State: WA Zip: <u>98052</u> Country: United States of America []Yes [X]No Additional name(s) & address(es) attached? []Yes [X]No 3. Nature of conveyance: [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other Execution Date: <u>January 7, 2019</u>, <u>December 3, 2018</u>, <u>December 3, 2018</u>, <u>November 30, 2018</u>, <u>November 18</u>, <u>2018</u>, <u>February 25, 2019</u> 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) B. Patent No.(s) Serial No. 16/206,644 Additional numbers attached? []Yes [X]No

5. Name and address of party to whom correspondence concerning document should be mailed:

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):\$ <u>0.00</u>

Name: Joseph R. Williams

Address:

Schwegman Lundberg & Woessner, P.A.

P.O. Box 2938

Minneapolis, Minnesota 55402

[]Enclosed

[Authorized to be charged to deposit account 19-

0743

8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Joseph R. Williams/Reg. No. 69,054

Name of Person Signing

March 15, 2019

Total number of pages including cover sheet: 13

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks Mail Stop Assignment Recordation Services P.O. Box 1450 **Alexandria, VA 22313-1450**

> **PATENT** REEL: 048606 FRAME: 0479

I Pranish Atul Kumar ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "AUTOMATED CONTENT GENERATION", 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 Noby
the following Office
APPLICATION's Application No., filing date, and Office, when known;

was filed on November 30, 2018 and was given Application No 16/206,644 by the following Office "United States Patent 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).

	1/7/9
Inventor's Signäture	Date
Pranish Atul Kumar	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT

MS Docket No.: 405342-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 and given Application Noby
	the following Office this this this the following Office this this the following Office this the following Office this this the following Office
Micr behalf of it	was filed on <u>November 30, 2018</u> and was given Application No <u>16/206,644</u> by the following Office " <u>United States Patent Office</u> "; soft Technology Licensing, LLC, a Washington limited liability company of and its successors and assigns ("ASSIGNEE"), is entitled to, and is desired.
Micr behalf of it of acquirin priority, in derived the	16/206,644 by the following Office " <u>United States Patent Office</u> ": soft Technology Licensing, LLC, a Washington limited liability company
Micr behalf of it of acquirin priority, in derived the United Stat ASSI to insert ti	16/206,644 by the following Office "United States Patent Office"; soft Technology Licensing, LLC, a Washington limited liability company office and its successors and assigns ("ASSIGNEE"), is entitled to, and is desired, the entire and exclusive rights, title and interest, including the right including the RPPLICATION (and all other applications and pate of the succession of the applications and pate of the succession of t

Page 1 of 2

PATENT ASSIGNMENT

MS Docket No.: 405342-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"));

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Inventor's Signature

)ate

Paul Adrian Foy

Printed Name in English

Printed Name in Native Language

(if other than English)

Page 2 of 2



I Paul Fraedrich Estes ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "AUTOMATED CONTENT GENERATION", which:

\boxtimes	will be filed.	ASSIGNOR	hereby	authoriz	es, and	requests	έ,
	ASSIGNEE'S legal	representa	tive, Micr	osoft Te	chnology	Licensing	Ì,
	LLC, One Microso	ft Way, Red	mond, Wa	ıshington	98052 (ASSIGNEE'	S
	LEGAL REPRESENT	TATIVES), t	o insert	here in	parenth	eses (file	d
	on 30 Nov. 2018	and gi	ven Appli	cation No	. 16/206,6	544 b	¥
	the following C)ffice <u>Ur</u>	ited States	Patent O	ffice) thi	5
	APPLICATION's Ap	plication N	o., filing o	late, and	Office, wh	ien known	t;
	was filed on	and w	as given .	Applicatio	n No	by the	
	following Office "	P.	atent Offi	ce":			

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
2		



Page 1 of 2



PATENT

REEL: 048606 FRAME: 0484

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")):

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Inventor's Signature

Date

Paul Fraedrich Estes

Printed Name in English

Printed Name in Native Language

(if other than English)

REEL: 048606 FRAME: 0485

I Jered D Aasheim ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "AUTOMATED CONTENT GENERATION", which:

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	follo	wind	Office	"	P	atent	Offic	-ღ ".					

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Inventor's Signature	November 30, 2018 Date
Jered D Aasheim	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: 405342-US-NP

"AUTOMATE	ter ("INVENTION") d D CONTENT GENER will be filed. ASSIGNEE'S legal	am the original inversisclosed and/or clain ATION", which: ASSIGNOR hereby representative, Microft Way, Redmond, Wa	ned in a patent appli authorizes, and re osoft Technology Lie	ication entitled equests, censing,
		TATIVES), to insert		
		and given Applic		
		Office		
		plication No., filing d		
\boxtimes		mber 30, 2018 and w e following Office " <u>U</u>		
behalf of itse of acquiring priority, in t derived ther	elf and its successor , the entire and ex he INVENTION and I efrom, such as con	ensing, LLC, a Washi is and assigns ("ASSIG clusive rights, title a the APPLICATION (and tinuing applications, d all foreign countries	NEE"), is entitled to, and interest, includired all other application in whole or in part,	and is desirou ng the right o ns and patent in and for the
	Application No.,	izes, and requests, A filing date, and Offic r they are known;		
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	11/18/2018
Inventor's Signature	Date /
Tai Chou	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT

MS Docket No.: 405342-US-NP

I David B Appel ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "AUTOMATED CONTENT GENERATION", which:

	will be filed. ASSIGNOR hereby authorizes, and requests,
	ASSIGNEE'S legal representative, Microsoft Technology Licensing,
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	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;
\boxtimes	was filed on November 30, 2018 and was given Application No.

16/206,644 by the following Office "United States Patent Office";

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And	2-25-19	
Inventor's Signature	Date	
David B Appel		
Printed Name in English	Printed Name in Native Language	
	(if other than English)	