505579447 07/19/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5626246

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YE TU	01/24/2019
YIPING YUAN	01/23/2019
CHUN LO	01/23/2019
SHAUNAK CHATTERJEE	01/23/2019
YIJIE WANG	01/23/2019

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:	16241649

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: request@slwip.com

Correspondent Name: SCHWEGMAN LUNDBERG & WOESSNER, P.A.

Address Line 1: P.O. BOX 2938

Address Line 4: MINNEAPOLIS, MINNESOTA 55402

ATTORNEY DOCKET NUMBER:	3080.K50US1
NAME OF SUBMITTER:	KRISTEN DAME
SIGNATURE:	/Kristen Dame/
DATE SIGNED:	07/19/2019

Total Attachments: 11

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PATENT 505579447 REEL: 049797 FRAME: 0490

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PATENT REEL: 049797 FRAME: 0491

RECORDATION FORM COVER SHEET PATENTS ONLY

Atty Ref/Docket No.: 902392-US-NP (3080.K50US1) Patent and Trademark Office To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof. Name and address of receiving party(ies): 1. Name of conveying party(ies): Name: Microsoft Technology Licensing, LLC Ye Tu, Yiping Yuan, Chun Lo, Shaunak Chatterjee, Street Address: One Microsoft Wav Yijie Wang 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: January 24, 2019, January 23, 2019, January 23, 2019, January 23, 2019, January 23, 2019 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. 16/241,649 Additional numbers attached? []Yes [X]No 6. Total number of applications and patents involved: 1 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41):\$ <u>0.00</u> Name: Silvia Rusnac [[Enclosed [Authorized to be charged to deposit account 19-Address: 0743 Schwegman Lundberg & Woessner, P.A. P.O. Box 2938 8. Please charge any additional fees or credit any over Minneapolis, Minnesota 55402 payments to our Deposit Account No.: 19-0743 DO NOT USE THIS SPACE 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. July 18, 2019 /Silvia Rusnac/ Silvia Rusnac/Reg. No. 69,601 Date Name of Person Signing Signature

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: 049797 FRAME: 0492

Total number of pages including cover sheet: 11

subject matt	er ("INVENTION") di	::	an original joint inventor of a patent application entitled ELEARNING*, which:
	ASSIGNEE'S legal LLC, One Microsof LEGAL REPRESENT on the following O	ASSIGNOR hereby authorepresentative, Microsoft tway, Redmond, Washing FATIVES), to insert here and given Application ffice plication plication No., filing date, and plication plication was plication plication by the plication of the plication was plication by the plication was plic	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed No
		ry 7, 2019 and was given / e following Office " <u>US Pate</u>	• •
behalf of itse of acquiring, priority, in the derived there	If and its successor, the entire and extending the invention and the invention and the invention, such as continued in the invention of the in	s and assigns ("ASSIGNEE") clusive rights, title and in he APPLICATION (and all o tinuing applications, in wh	I limited liability company, on, is entitled to, and is desirous terest, including the right of other applications and patents nole or in part, in and for the PLICATION DERIVATIVES"));
to insert the	,	iling date, and Office into	EE'S LEGAL REPRESENTATIVES the following 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"));

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).

n.	01/24/2019
Inventor's Signature	Date
Ye Tu	i si ki
Printed Name in English	Printed Name in Native Language
	(if other than English)

of subject m	atter ("INVENTION")		r or an original joint inventor n a patent application entitled LEARNING", which:
	ASSIGNEE'S legal LLC, One Microsof LEGAL REPRESENT on the following O	ASSIGNOR hereby authorepresentative, Microsoft tway, Redmond, Washingin Tatives), to insert here and given Application ffice plication of the polication of	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed No
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behalf of itse of acquiring priority, in the derived there	olf and its successor the entire and ex ne INVENTION and t efrom, such as con	s and assigns ("ASSIGNEE"), clusive rights, title and in he APPLICATION (and all o tinuing applications, in wh	limited liability company, on 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"));
to insert the		iling date, and Office into	EE'S LEGAL REPRESENTATIVES o the following table for any
Application	No.	Filing Date	Office

Page 1 of 2

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

Yiping Yuan

Printed Name in English

(if other than English)

I Chun Lo ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled				
"INCENTING	ONLINE CONTENT C	REATION USING MACHINE	<u>LEARNING</u> ", which:	
	ASSIGNEE'S legal is LLC, One Microsoft LEGAL REPRESENT on the following O	ASSIGNOR hereby authorepresentative, Microsoft to Way, Redmond, Washings (ATIVES), to insert here and given Application office control of the polication of	Technology Licensing, on 98052 (ASSIGNEE'S in parentheses (filed Noby	
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behalf of itse of acquiring, priority, in the derived there	If and its successor: the entire and exceeding the invention and the invention and the invention as contentions.	s and assigns ("ASSIGNEE"), clusive rights, title and in he APPLICATION (and all o tinuing applications, in wh	limited liability company, on is entitled to, and is desirous terest, including the right of ther applications and patents ole or in part, in and for the PLICATION 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).

Cha to	Jan 23, 2019
Inventor's Signature	Date
Chun Lo	
Printed Name in English	Printed Name in Native Language
	(if other than English)

l Shai	ınak Chatterjee ("A	SSIGNOR") am the origina	l inventor or an original joint
inventor of	subject matter (*	'INVENTION") disclosed a	and/or claimed in a patent
application	entitled "INCENTI	NG ONLINE CONTENT	<u>CREATION USING MACHINE</u>
<u>LEARNING</u> ",	which:		
	will be filed.	ASSIGNOR hereby authorized	orizes, and requests,
	ASSIGNEE'S legal	representative, Microsoft	Technology Licensing,
	LLC, One Microsof	t Way, Redmond, Washing	ton 98052 (ASSIGNEE'S
		'ATIVES), to insert here	
		and given Application	•
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		plication No., filing date, a	
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X	was filed on lanua	r <u>y 7, 2019</u> and was given /	Annlication No
Shoods		following Office " <u>US Pate</u>	
	Marie Sy Co	. ionowing ornice <u>objects</u>	
Micro	soft Technoloav Lic	ensino. LLC. a Washinoton	limited liability company, on
			, is entitled to, and is desirous
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ASSIG	NOR hereby authori	zes, and requests. ASSIGN	EE'S LEGAL REPRESENTATIVES
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J. Challerjes	01/23/2019
Inventor's Signature	Date
Shaunak Chatterjee	
Printed Name in English	Printed Name In Native Language
	(if other than English)

subject matt	er ("INVENTION") di	**	or an original joint inventor of a patent application entitled <a "="" href="LEARNING">LEARNING ", which:
	ASSIGNEE'S legal in LLC, One Microsoft LEGAL REPRESENT onthe following O	ASSIGNOR hereby authorepresentative, Microsoft t Way, Redmond, Washingt ATIVES), to insert here and given Application ffice plication No., filing date, ar	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed No
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