01/02/2023 507673576

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 **EPAS ID: PAT7720715**

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JIANFENG GAO	01/20/2020
CHUNYUAN LI	10/20/2020
JINCHAO LI	10/20/2020
XIUJUN LI	10/20/2020
PAOLIN PENG	10/20/2020
NANSHAN ZENG	10/20/2020
CHENGUANG ZHU	10/20/2020

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:	17963766

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 MICROSOFT CORPORATION **Correspondent Name:**

ONE MICROSOFT WAY Address Line 1:

Address Line 4: REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER: 408898-US-CNT	
NAME OF SUBMITTER:	ALEX LEA
SIGNATURE:	/alex lea/
DATE SIGNED:	01/02/2023

PATENT REEL: 062252 FRAME: 0551

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Total Attachments: 14 source=408898-US-CNT_Parent-Assignment_ALL#page1.tif source=408898-US-CNT_Parent-Assignment_ALL#page2.tif source=408898-US-CNT_Parent-Assignment_ALL#page3.tif source=408898-US-CNT_Parent-Assignment_ALL#page4.tif source=408898-US-CNT_Parent-Assignment_ALL#page5.tif source=408898-US-CNT_Parent-Assignment_ALL#page6.tif source=408898-US-CNT_Parent-Assignment_ALL#page7.tif source=408898-US-CNT_Parent-Assignment_ALL#page8.tif source=408898-US-CNT_Parent-Assignment_ALL#page9.tif source=408898-US-CNT_Parent-Assignment_ALL#page10.tif source=408898-US-CNT_Parent-Assignment_ALL#page11.tif source=408898-US-CNT_Parent-Assignment_ALL#page12.tif source=408898-US-CNT_Parent-Assignment_ALL#page13.tif source=408898-US-CNT_Parent-Assignment_ALL#page13.tif source=408898-US-CNT_Parent-Assignment_ALL#page14.tif

PATENT REEL: 062252 FRAME: 0552

PATENT ASSIGNMENT

I <u>Jianfeng GAO</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled
"SYNTHETIC DATA GENERATION FOR TRAINING OF NATURAL LANGUAGE
UNDERSTANDING MODELS" ("APPLICATION"), which:
will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representative of Microsoft Technology Licensing, LLC, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on and given Application No by the following Office US – United States Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known;
was filed on <u>September 15, 2020</u> and was given Application No <u>17/021,892</u> by the following Office " <u>US – US Patent and Trademark Office</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

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

PATENT ASSIGNMENT

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

Jianfeng GAO

Printed Name in English

Date

Frinted Name in Native Language (if other than English)

MS Docket No.: $\underline{408898\text{-}US\text{-}NP}$

PATENT ASSIGNMENT

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ONDERSTANDING MOD	<u>LLS</u> (AITLICAT	Oiv), willell.		
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Microsoft Technobehalf of itself and its soft acquiring, the entire priority, in the INVENT derived therefrom, such United States, its territ	successors and a e and exclusive ION and the APP ch as continuing	ssigns ("ASSIGNEE rights, title and LICATION (and all applications, in v	interest, including other applications whole or in part, in	nd is desirous the right of and patents and for the
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PATENT ASSIGNMENT

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362	10/20/2020
Inventor's Signature	Date
_Chunyuan LI	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT

subject matt	er ("INVENTION") d	isclosed and/or claimed in	or an original joint inventor of n a patent application entitled OF NATURAL LANGUAGE
UNDERSTAN	<u>DING MODELS</u> " ("AP	PLICATION"), which:	A The second of
	ASSIGNEE'S legal relation on the following Office this APPLICATION known;	ASSIGNOR hereby authorepresentative of Microsoft Way, Redmond, Washing FATIVES), to insert here and given Application to US - United States Patent's Application No., filing amber 15, 2020 and was given following Office "US - US"	t Technology Licensing, ston 98052 (ASSIGNEE'S in parentheses (filed in No
behalf of itse of acquiring priority, in the derived there	olf and its successor , the entire and ex ne INVENTION and the efrom, such as con	rs and assigns ("ASSIGNEE") (clusive rights, title and in the APPLICATION (and all obtaining applications, in w	n limited liability company, or), is entitled to, and is desirous nterest, including the right of other applications and patents hole or in part, in and for the PLICATION DERIVATIVES"));
ASSIG	NOR hereby author	izes, and requests, ASSIGN	NEE'S LEGAL REPRESENTATIVES
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Application	No.	Filing Date	Office

REEL: 062252 FRAME: 0557

PATENT ASSIGNMENT

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
Jinchao LI	李金莲
Printed Name in English	Printed Name in Native Language
	(if other than English)

REEL: 062252 FRAME: 0558

PATENT ASSIGNMENT

l <u>Xiujur</u>	<u>1 LI</u> ("ASS	IGNOR") am t	he origin	al inventor	or an	original join	t inventor of
subject matte	r ("INVEN	ITION") disclo	sed and/	or claimed	in a pa	atent applica	ition entitled
"SYNTHETIC	DATA	GENERATION	FOR	TRAINING	OF	NATURAL	LANGUAGE
UNDERSTAND	ING MOD	<u>DELS</u> " ("APPLICA	ATION"),	which:			

لسيا	will be filed. ASSIGNOR nereby authorizes, and requests,
	ASSIGNEE'S legal representative of Microsoft Technology Licensing,
	LLC, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S
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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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XIWM G	/0/20/2020
Inventor's Signature	Date
Xiujun LI	1 / AAA
Printed Name in English	Printed Name in Native Language
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PATENT ASSIGNMENT

THEN ADDIOINMENT
I <u>Baolin PENG</u> ("ASSIGNOR") am the original inventor or an original joint invento of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled
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Pena Baolin	Oct 20 2020
Inventor's Signature	Date
Baolin PENG	彭 ·皇秦
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT

I <u>Nansl</u>	<u>nan ZENC</u>	("ASSIGNOR") a	m the c	original inven	tor or	an original j	oint inventor
of subject ma	tter ("INV	/ENTION") disclo	sed an	d/or claimed	in a p	atent applica	ition entitled
"SYNTHETIC	DATA	GENERATION	FOR	TRAINING	OF	NATURAL	LANGUAGE
UNDERSTAND	ING MOI	<u>DELS" ("APPLICA</u>	TION"),	which:			

UNDERSTAN	<u>DING MODELS"</u> ("API	PLICATION"), which:		
	ASSIGNEE'S legal re LLC, One Microsoft LEGAL REPRESENT on the following Office	ASSIGNOR hereby author epresentative of Microsoft tway, Redmond, Washington (ATIVES), to insert here and given Application to US – United States Patent s Application No., filing of	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed No by and Trademark Office)	
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Application		Filing Date	Office	

Page 1 of 2

PATENT REEL: 062252 FRAME: 0563

PATENT ASSIGNMENT

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Norbler 35	10/20/2020
Inventor's Signature	Date
Nanshan ZENG	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: $\underline{408898\text{-}US\text{-}NP}$

PATENT ASSIGNMENT

I <u>Chenguang ZHU</u> ("ASSIGNOR") am the original inventor or an original joint						
inventor of subject matter ("	inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent					
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Microsoft Technology Licensing, LLC, a Washington limited liability company, on						
behalf of itself and its successors		• • •				
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Chenguang Zhu	10/20/2020
Inventor's Signature	Date
Chenguang ZHU	
Printed Name in English	Printed Name in Native Language
	(if other than English)