

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
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NANSHAN ZENG	01/15/2021
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17323854
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NAME OF SUBMITTER:	JENS C. JENKINS, REG. NO. 44803
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DATE SIGNED:	05/18/2021
Total Attachments: 4	
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source=13768-4038-1-Assignment#page4.tif	

I Chenguang ZHU (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “GENERATION OF OPTIMIZED KNOWLEDGE-BASED LANGUAGE MODEL THROUGH KNOWLEDGE GRAPH MULTI-ALIGNMENT” (“APPLICATION”), 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 on January 20, 2021 and given Application No. 17/153715 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 _____ and was given Application No. _____ by the following 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
17/323854	May 18, 2021	USPTO

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).

	<u>01/15/2021</u>
Inventor's Signature	Date
<u>Chenguang ZHU</u>	<u>朱晨光</u>
Printed Name in English	Printed Name in Native Language (if other than English)

I Nanshan ZENG (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “GENERATION OF OPTIMIZED KNOWLEDGE-BASED LANGUAGE MODEL THROUGH KNOWLEDGE GRAPH MULTI-ALIGNMENT” (“APPLICATION”), which:

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was filed on _____ and was given Application No _____ by the following Office “ _____ ”;

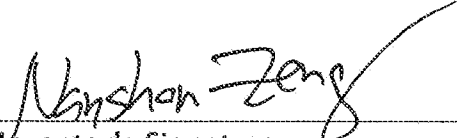
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 _____ Inventor's Signature	<u>Jan 15, 2021</u> _____ Date
<u>Nanshan ZENG</u> _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)