

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ZILIU LI	12/10/2019
JUNAID AHMED	12/13/2019
ARNOLD OVERWIJK	12/10/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MICROSOFT TECHNOLOGY LICENSING, LLC
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<b>City:</b>	REDMOND
<b>State/Country:</b>	WASHINGTON
<b>Postal Code:</b>	98052
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16713555
<b>CORRESPONDENCE DATA</b>	
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<b>Address Line 4:</b>	REDMOND, WASHINGTON 98052
<b>ATTORNEY DOCKET NUMBER:</b>	407868-US-NP
<b>NAME OF SUBMITTER:</b>	DAVID HUNTLEY
<b>SIGNATURE:</b>	/ David Huntley 40309 /
<b>DATE SIGNED:</b>	12/13/2019
<b>Total Attachments: 6</b>	
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**PATENT**

**REEL: 051277 FRAME: 0534**

I Ziliu Li ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Resource-Efficient Generation of Visual Layout Information Associated with Network-Accessible Documents" ("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 December 13, 2019 and given Application No. 16713555 by the following Office USPTO) 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

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>Ziliu Li</u>	<u>12/10/2019</u>
Inventor's Signature	Date
<u>Ziliu Li</u>	<u>李 子 柳</u>
Printed Name in English	Printed Name in Native Language (if other than English)

I Junaid AHMED ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Resource-Efficient Generation of Visual Layout Information Associated with Network-Accessible Documents" ("APPLICATION"), which:

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	12/13/2019
Inventor's Signature	Date
Junaid AHMED	
Printed Name in English	Printed Name in Native Language (if other than English)

I Arnold OVERWIJK ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Resource-Efficient Generation of Visual Layout Information Associated with Network-Accessible Documents" ("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 December 13, 2019 and given Application No. 16713555 by the following Office USPTO) this APPLICATION's Application No., filing date, and Office, when known;

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<u>A. Overwijk</u>	<u>12/10/2019</u>
Inventor's Signature	Date
<u>Arnold OVERWIJK</u>	
Printed Name in English	Printed Name in Native Language (if other than English)