

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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Assignment ID: PATI775892

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the typographical error in the filing date of the current U.S. application in the executed document previously recorded on Reel 59683 Frame 953. Assignor(s) hereby confirms the the assignment.
CONVEYING PARTY DATA	
Name	Execution Date
YONGHUAN DAVID REN	11/18/2019
TIMOTHY ANDREW LARGE	11/18/2019
NEIL EMERTON	11/19/2019
YUQIAN ZHOU	11/18/2019
RECEIVING PARTY DATA	
Company 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:	17755190
CORRESPONDENCE DATA	
Fax Number:	5035957301
<i>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.</i>	
Phone:	5035957300
Email:	cpolance@allemanhall.com
Correspondent Name:	Catherine Polance
Address Line 1:	ALLEMAN HALL & TUTTLE LLP
Address Line 2:	900 SW 5th Ave., Suite 2300
Address Line 4:	Portland, OREGON 97204
ATTORNEY DOCKET NUMBER:	407520-US-PCT
NAME OF SUBMITTER:	Catherine Polance
SIGNATURE:	/Catherine Polance/
DATE SIGNED:	01/23/2025

Total Attachments: 10

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT7294335

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
YONGHUAN DAVID REN	11/18/2019
TIMOTHY ANDREW LARGE	11/18/2019
NEIL EMERTON	11/19/2019
YUQIAN ZHOU	11/18/2019
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:	17755190
CORRESPONDENCE DATA	
Fax Number:	(425)936-7329
<i>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.</i>	
Phone:	4255389035
Email:	usdocket@microsoft.com
Correspondent Name:	MICROSOFT CORPORATION
Address Line 1:	ONE MICROSOFT WAY
Address Line 4:	REDMOND, WASHINGTON 98052
ATTORNEY DOCKET NUMBER:	407520-US-PCT
NAME OF SUBMITTER:	CATHERINE POLANCE
SIGNATURE:	/Catherine Polance/
DATE SIGNED:	04/22/2022
Total Attachments: 8	
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I Yonghuan David REN ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "IMAGE SHARPENING FOR SUBJECTS IMAGED THROUGH DISPLAY" ("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 November 25, 2019 and given Application No. 2024302 by the following Office Netherlands Patent 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
PCT/US2020/059871	November 10, 2020	World Intellectual Property Organization
17/755,190	April 22, 2022	U.S. Patent and Trademark 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>Yonghuan David REN</u>	<u>11/18/2019</u>
Inventor's Signature	Date
<u>Yonghuan David REN</u>	<u></u>
Printed Name in English	Printed Name in Native Language (if other than English)

I Timothy Andrew LARGE ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "IMAGE SHARPENING FOR SUBJECTS IMAGED THROUGH DISPLAY" ("APPLICATION"), which:

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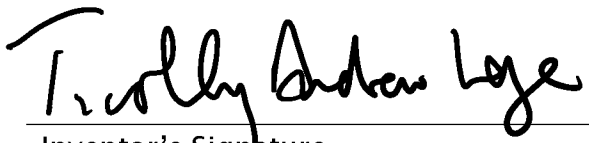
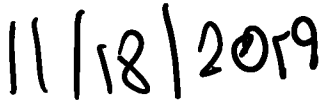
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Inventor's Signature	Date
Timothy Andrew LARGE	
Printed Name in English	Printed Name in Native Language (if other than English)

I Neil EMERTON ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "IMAGE SHARPENING FOR SUBJECTS IMAGED THROUGH DISPLAY" ("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 November 25, 2019 and given Application No. 2024302 by the following Office Netherlands Patent Office) this APPLICATION's Application No., filing date, and Office, when known;

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_____ Inventor's Signature	_____ Date
_____ Neil EMERTON	_____ Printed Name in Native Language (if other than English)
_____ Printed Name in English	

I Yuqian ZHOU ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "IMAGE SHARPENING FOR SUBJECTS IMAGED THROUGH DISPLAY" ("APPLICATION"), which:

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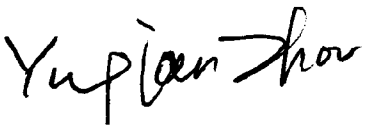
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	11/18/2019
_____ Inventor's Signature	_____ Date
Yuqian ZHOU _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)