506531255 03/02/2021

PATENT ASSIGNMENT COVER SHEET

EPAS ID: PAT6578031

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SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DONG HAN WANG	03/01/2021

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:	17188941

CORRESPONDENCE DATA

Fax Number: (801)532-7543

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: 801-532-1500

Email: mspatent@rqn.com, usdocket@microsoft.com **Correspondent Name:** RAY QUINNEY & NEBEKER - MICROSOFT

Address Line 1: 36 SOUTH STATE STREET

Address Line 2: **SUITE 1400**

Address Line 4: SALT LAKE CITY, UTAH 84111

ATTORNEY DOCKET NUMBER:	409331-US-NP
NAME OF SUBMITTER:	PAUL N. TAYLOR
SIGNATURE:	/Paul N. Taylor, Reg.# 57271/
DATE SIGNED:	03/02/2021

Total Attachments: 2

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PATENT REEL: 055454 FRAME: 0207 506531255

MS Docket No.: 409331-US-NP

l <u>Don</u>	g Han W <i>A</i>	<u>ANG</u> ("ASS	IGNOR") am	the origina	al invente	or or an	origii	nal joint
inventor of	subject	matter ("I	INVENTION")	disclosed	and/or	claimed	in a	patent
application	entitled	" <u>IMAGE</u>	RERANKING	AND	PRESENT	ATION	FOR	VISUAL
EXPLORATIO	<u>N</u> " ("APPLI	CATION"),	which:					

\times	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 March 1, 2021 and given Application
	No. 17/188,941 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:

Tollowing table for any full Electricity Belief they are known,		
Application No.	Filing Date	Office

PATENT ASSIGNMENT	MS Docket No.:	409331-US-NI

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).

Doug Han Wang	3/1/2021
Inventor's Signature	Date
Dong Han WANG	
Printed Name in English	Printed Name in Native Language
	(if other than English)

RECORDED: 03/02/2021