506068382 05/20/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6115097

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ZILIU LI	05/15/2020
JUNAID AHMED	05/18/2020
ARNOLD OVERWIJK	05/18/2020
LI XIONG	05/15/2020

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:	16878083

CORRESPONDENCE DATA

Fax Number:

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.

Email: usdocket@microsoft.com

Correspondent Name: MICROSOFT TECHNOLOGY LICENSING, LLC

Address Line 1: ONE MICROSOFT WAY

Address Line 4: REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	408367-US-NP
NAME OF SUBMITTER:	MICHAEL J. MEDLEY
SIGNATURE:	/Michael J. Medley/
DATE SIGNED:	05/20/2020

Total Attachments: 8

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PATENT 506068382 REEL: 052712 FRAME: 0282

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PATENT REEL: 052712 FRAME: 0283

I, Ziliu LI, ("ASSIGNOR") am the original inventor or an original joint inventor of
$subject\ matter\ (\text{``INVENTION''})\ disclosed\ and/or\ claimed\ in\ a\ patent\ application\ entitled$
"RANKING COMPUTER-IMPLEMENTED SEARCH RESULTS BASED UPON STATIC SCORES
ASSIGNED TO WEBPAGES" ("APPLICATION"), which:

\times	will	be	filed.	ASSIGNOR	hereby	autho	rizes,	and	requ	iests,
	ASSIC	SNEE	.'S legal	representa	tive, Micr	osoft ⁻	Techno	logy	Licen	sing,
	LLC.,	One	Microso	oft Way, Red	mond, Wa	ashingt	on 980)52 (A	SSIG	NEE'S
	LEGA	L R	EPRESEN	TATIVES), t	o insert	here	in par	enthe	ses	(filed
	on <u>M</u>	ay 19	9, 2020	and gi	ven Appli	cation	No. <u>16</u>	878,08	3	by
	the fo	ollow	/ing Offi	ce <u>US – Unit</u>	ed States	<u>Patent</u>	and Tr	<u>adema</u>	ark O	ffice)
	this A	4PPL	ICATION	l's Applicati	ion No., 1	filing d	late, ar	nd Off	ice, v	when
	know	'n;								
	was f	iled	on	_ 1	and was g	given A	pplicat	ion		
	No _			by the f	ollowing	Office				
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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"));

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).

allu li	o5/1/- [do]/2
Inventor's Signature	Date
Ziliu Ll	李子和
Printed Name in English	Printed Name in Native Language
	(if other than English)

I,	<u>Juna</u>	<u>aid AH</u>	<u>MED</u> , ("AS	SSIGNOR"	') am	the orig	ginal	invento	r or a	n ori	gina	ıl joint
inventor	of	subjec	t matter	("INVEN	TION")	disclo	sed	and/or	claime	d in	a	patent
applicati	on e	ntitled	"RANKING	COMPU	TER-IM	IPLEMEN	NTED	SEARCH	RESUL	TS BA	SEC	UPON
STATIC S	COF	RES ASS	IGNED TO	WEBPAG	ES" ("A	PPLICA	TION"	'), which				

will	be	filed.	ASSIGNOR	hereby	autho	rizes,	and	requ	ıests,
ASSI	GNE	E'S lega	l representa	ative, Mic	rosoft	Techno	logy	Licen	sing,
LLC.,	, One	e Micros	oft Way, Red	dmond, W	ashingt	ton 980)52 (A	SSIGI	NEE'S
LEGA	AL R	EPRESE	NTATIVES),	to insert	here	in par	enthe	ses	(filed
on <u>N</u>	/lay 1	9, 2020	and g	iven Appl	ication	No. <u>16</u>	/878,08	33	by
the f	ollov	ving Off	fice <u>US – Uni</u>	<u>ted States</u>	<u>Patent</u>	and Tr	<u>adem</u>	ark O	ffice)
this	APPL	LICATIO	N's Applicat	tion No.,	filing d	late, ar	nd Off	fice, v	when
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was	filed	on		and was	given A	pplicat	ion		
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	ASSIGNATION ASSIGN	ASSIGNEE LLC., One LEGAL R on May 1 the follow this APPI known; was filed No	ASSIGNEE'S legal LLC., One Microst LEGAL REPRESEL on May 19, 2020 the following Off this APPLICATIO known; was filed on No No	ASSIGNEE'S legal representa LLC., One Microsoft Way, Red LEGAL REPRESENTATIVES), on May 19, 2020 and g the following Office US – Unit this APPLICATION's Applicat known; was filed on by the	ASSIGNEE'S legal representative, Michael LLC., One Microsoft Way, Redmond, W LEGAL REPRESENTATIVES), to insert on May 19, 2020 and given Applitude following Office US – United States this APPLICATION's Application No., known; was filed on and was No by the following	ASSIGNEE'S legal representative, Microsoft LLC., One Microsoft Way, Redmond, Washingt LEGAL REPRESENTATIVES), to insert here on May 19, 2020 and given Application the following Office US – United States Patent this APPLICATION's Application No., filing of known; was filed on and was given A No by the following Office	ASSIGNEE'S legal representative, Microsoft Technol LLC., One Microsoft Way, Redmond, Washington 980 LEGAL REPRESENTATIVES), to insert here in part on May 19, 2020 and given Application No. 160 the following Office US – United States Patent and Trathis APPLICATION's Application No., filing date, arknown; was filed on and was given Application No by the following Office	ASSIGNEE'S legal representative, Microsoft Technology LLC., One Microsoft Way, Redmond, Washington 98052 (A LEGAL REPRESENTATIVES), to insert here in parenthe on May 19, 2020 and given Application No. 16/878,08 the following Office US – United States Patent and Trademathis APPLICATION's Application No., filing date, and Office was filed on and was given Application No by the following Office	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"));

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Application No.	Filing Date	Office	

MS Docket No.: 408367-US-NP

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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Jurail Mush	05/18/2020
Inventor's Signature	Date
Junaid AHMED	
Printed Name in English	Printed Name in Native Language
	(if other than English)

inventor of subject matter application entitled "RANKIN	("ASSIGNOR") am the original inventor or an original jointer ("INVENTION") disclosed and/or claimed in a patent NG COMPUTER-IMPLEMENTED SEARCH RESULTS BASED UPON TO WEBPAGES" ("APPLICATION"), which:
ASSIGNEE'S le LLC., One Micr LEGAL REPRES on May 19, 2020 the following C	ASSIGNOR hereby authorizes, and requests, gal representative, Microsoft Technology Licensing, cosoft Way, Redmond, Washington 98052 (ASSIGNEE'S SENTATIVES), to insert here in parentheses (filed and given Application No. 16/878,083 by Office US – United States Patent and Trademark Office) ION's Application No., filing date, and Office, when
No	and was given Application by the following Office
behalf of itself and its succe of acquiring, the entire and priority, in the INVENTION a derived therefrom, such as	y Licensing, LLC, a Washington limited liability company, on ssors and assigns ("ASSIGNEE"), is entitled to, and is desirous desclusive rights, title and interest, including the right of and the APPLICATION (and all other applications and patents continuing applications, in whole or in part, in and for the and all foreign countries ("APPLICATION DERIVATIVES"));
	thorizes, and requests, ASSIGNEE'S LEGAL REPRESENTATIVES o., filing date, and Office into the following table for any after they are known;

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Assessin	5/10/2020	
Inventor's Signature	Date	
Arnold OVERWIJK		
Printed Name in English	Printed Name in Native Language	
	(if other than English)	

PATENT ASSIGNMENT

MS Docket No.:408367-US-NP

I, <u>Li XIONG</u>, ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "RANKING COMPUTER-IMPLEMENTED SEARCH RESULTS BASED UPON STATIC SCORES ASSIGNED TO WEBPAGES" ("APPLICATION"), which:

\boxtimes	will be filed. ASSIGNOR hereby authorizes, and requests
	ASSIGNEE'S legal representative, Microsoft Technology Licensing
	LLC., One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'
	LEGAL REPRESENTATIVES), to insert here in parentheses (file
	on May 19, 2020 and given Application No. 16/878,083 b
	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
	N 89,

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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Application No.	Filing Date	Office
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Page 1 of 2

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Inventor's Signature

Li XIONG

Printed Name in English

O5/15/2020

Date

Li XIONG

Printed Name in Native Language
(if other than English)