506859364 09/08/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6906184

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PAUL PANGILINAN DEL VILLAR	09/08/2021
MOHAMED ABDELRHMAN MOSTAFA ALI ELFEKI	09/08/2021
PRAMOD KUMAR SHARMA	09/08/2021
NILGOON ZAREI	09/08/2021

RECEIVING PARTY DATA

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Street Address:	ONE MICROSOFT WAY
City:	REDMOND
State/Country:	WASHINGTON
Postal Code:	98052

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17469638

CORRESPONDENCE DATA

Fax Number: (801)532-7543

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Email: mspatent@rqn.com,usdocket@microsoft.com

Correspondent Name: RAY QUINNEY & NEBEKER

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Address Line 2: SUITE 1400

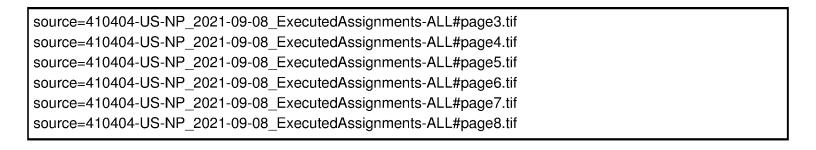
Address Line 4: SALT LAKE CITY, UTAH 84111

ATTORNEY DOCKET NUMBER:	410404-US-NP
NAME OF SUBMITTER:	JAMES S. BULLOUGH
SIGNATURE:	/James S. Bullough, Reg.# 65352/
DATE SIGNED:	09/08/2021

Total Attachments: 8

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PATENT 506859364 REEL: 057417 FRAME: 0248



PATENT REEL: 057417 FRAME: 0249

PATENT ASSIGNMENT

I Paul Pangilinan DEL VILLAR ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "GENERATING AND PRESENTING A SEARCHABLE GRAPH BASED ON A GRAPH QUERY" ("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'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed September 8, 2021 on and given Application No. 17/469,638 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 authorizes. ASSIGNEE'S hereby and requests, 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

Page 1 of 2

MS Docket No.: 410404-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"));

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).

Invertor's Signature

Paul Pangilinan DEL VILLAR

Printed Name in English

2021 - 09-08

MS Docket No.: 410404-US-NP

Date

Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT MS Docket No.: 410404-US-NP

I Mohamed Abdelrhma	n Mostafa Ali FLFFKI ("	ASSIGNOR") am the original
inventor or an original joint inv	•	, ,
_ ,	•	
claimed in a patent application		
GRAPH BASED ON A GRAPH QUI	<u>-RY</u> " ("APPLICATION"), whi	cn:
oxtimes will be filed.	ASSIGNOR hereby auth	orizes, and requests,
ASSIGNEE'S legal	representative, Microsoft	Technology Licensing,
LLC, One Microsof	ft Way, Redmond, Washing	jton 98052 (ASSIGNEE'S
LEGAL REPRESEN	TATIVES), to insert here	in parentheses (filed
	ber 8, 2021 and	given Application
	B by the following Offi	•
	mark Office) this APPLICA	
	fice, when known;	TION 3 Application No.,
ming date, and Oi	ince, which known,	
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- .		n limited liability company, on
behalf of itself and its succes	ssors and assigns ("ASSIC	GNEE"), is entitled to, and is
desirous of acquiring, the enti-	re and exclusive rights, ti	tle and interest, including the
right of priority, in the INVENTI	ON and the APPLICATION	(and all other applications and
patents derived therefrom, suc	h as continuing applicatio	ns, in whole or in part, in and
for the United States, its t	erritories, and all forei	gn countries ("APPLICATION
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Application No.	Filing Date	Office
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Page 1 of 2

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Inventor's Signature

Mohamed Abdelrhman Mostafa Ali

ELFEKI

Printed Name in English

Date

Printed Name in Native Language

MS Docket No.: 410404-US-NP

(if other than English)

PATENT ASSIGNMENT

on

MS Docket No.: 410404-US-NP I Pramod Kumar SHARMA ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "GENERATING AND PRESENTING A SEARCHABLE GRAPH BASED ON A GRAPH QUERY" ("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 September 8, 2021

and

No. <u>17/469,638</u> by the following Office <u>US - United</u> States Patent and Trademark Office) this APPLICATION's Application No.,

given

Application

was filed on	and was given Application
No	by the following Office
"	".

filing date, and Office, when known;

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")):**

hereby authorizes. and requests, ASSIGNEE'S LEGAL ASSIGNOR REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known:

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Filing Date	Office		

Page 1 of 2

PATENT ASSIGNMENT

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).

Dhamo	9/8/2021
Inventor's Signature	Date
Pramod Kumar SHARMA	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: 410404-US-NP

PATENT ASSIGNMENT MS Docket No.: 410404-US-NP

I Nilgoon ZADEL ("ASSI	CNOD") am the original	inventor or an original joint
	·	inventor or an original joint
inventor of subject matter (
application entitled "GENERATING		AKCHABLE CKAPH BASED ON A
GRAPH QUERY" ("APPLICATION"), which:	
oxtimes will be filed.	ASSIGNOR hereby auth	orizes, and requests,
ASSIGNEE'S legal	representative, Microsoft	Technology Licensing,
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behalf of itself and its succe		
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patents derived therefrom, suc	h as continuing applicatio	ns, in whole or in part, in and
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Application No.	Filing Date	Office

Page 1 of 2

PATENT	ASSIGNMEN I	MS Docket No.:	410404-US-N

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DATENIT ACCIONIMENT

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).

09/08/2021
Date
Printed Name in Native Language (if other than English)
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Page 2 of 2

RECORDED: 09/08/2021