505416788 04/08/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5463578

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SCOTT COUNTS	03/29/2019
ROBERTA R. MOEUR	03/29/2019
CURTIS N. VON VEH	04/04/2019
JUSTIN BROOKS CRANSHAW	03/29/2019
STEVIE NICOLE CHANCELLOR	04/08/2019
ANTHONY CARBARY	04/01/2019

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:	16378198	

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: NEWPORT IP, LLC

Address Line 1: 1400 112TH AVE SE, SUITE 100
Address Line 4: BELLEVUE, WASHINGTON 98004

ATTORNEY DOCKET NUMBER:	MS1-9207US
NAME OF SUBMITTER:	PAOLA SEVERICH
SIGNATURE:	/Paola Severich/
DATE SIGNED:	04/08/2019

Total Attachments: 12 source=Assignment#page1.tif

PATENT REEL: 048823 FRAME: 0276

505416788

source=Assignment#page2.tif	٦
source=Assignment#page3.tif	١
source=Assignment#page4.tif	١
source=Assignment#page5.tif	١
source=Assignment#page6.tif	١
source=Assignment#page7.tif	١
source=Assignment#page8.tif	١
source=Assignment#page9.tif	١
source=Assignment#page10.tif	١
source=Assignment#page11.tif	١
source=Assignment#page12.tif	١
Source=Assignment#page12.til	1

PATENT REEL: 048823 FRAME: 0277

Client Docket No.: 404509-US-NP Attorney Docket No.: MS1-9207US

I <u>Scott COUNTS</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "USER INTERFACE FOR VISUALIZING SEARCH DATA" ("APPLICATION"), which:

🛛 will be filed	. ASSIGNOR	hereby au	ithorizes,	and requ	ests,
ASSIGNEE'S legal					
LLC., One Microso	oft Way, Redm	ond, Washir	ngton 9805	2 (ASSIGN	EE'S
LEGAL REPRESEN	TATIVES), to	insert her	e in pare	ntheses (filed
on	and give	n Applicatio	on No		by
the following Offi	ce <u>US – United</u>	States Pate	nt and Trac	demark Of	fice)
this APPLICATION	l's Application	n No., filing	j date, and	l Office, w	/hen
known;					
\square was filed on $_$	and was gi	ven Applica	tion No	by the	
following Office "					<u>e</u> ";

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	
			9,000

Client Docket No.: 404509-US-NP Attorney Docket No.: MS1-9207US

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).

Scott COUNTS
Printed Name in English
Printed Name in English

(if other than English)

Client Docket No.: 404509-US-NP Attorney Docket No.: MS1-9207US

I Roberta R. MOEUR ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "USER INTERFACE FOR VISUALIZING SEARCH DATA" ("APPLICATION"), which:

⊠ wi	II be	filed.	ASSIGN	IOR here	by auti	norizes,	and req	uests,
						Technolo		
LLC., C)ne N	licrosofi	: Way, Re	dmond, \	Nashing	iton 9805	2 (ASSIC	NEE'S
LEGAL	REP	RESENT	ATIVES),	to inser	t here	in pare	ntheses	(filed
on			and	given App	lication	No		by
the fol	lowin	g Office	<u> US – Un</u>	ited State	s Paten	t and Trac	<u>lemark (</u>	Office)
this Al	PPLIC	ATION's	: Applica	tion No.,	, filing	date, and	Office,	when
known	i ;							
☐ wa	s file	d on	and wa	s given A	pplicatio	on No	by the	
						nd Trader		ice"

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

Client Docket No.: 404509-US-NP Attorney Docket No.: MS1-9207US

 ***************************************	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	§ :
	\$
	Š
Ł	š.

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).

Reserta & Meur	3/29/19
Inventor's Signature	Date
Roberta R. MOEUR	
Printed Name in English	Printed Name in Native Language
	(if other than English)

Client Docket No.: <u>404509-US-NP</u> Attorney Docket No.: <u>MS1-9207US</u>

I <u>Curtis N. von VEH</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "USER INTERFACE FOR VISUALIZING SEARCH DATA" ("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 and given Application No by
the following Office <u>US - United States Patent and Trademark Office</u>)
this APPLICATION's Application No., filing date, and Office, when
known;
was filed on and was given Application No by the
following Office "US - United States Patent and Trademark 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

Client Docket No.: <u>404509-US-NP</u> Attorney Docket No.: <u>MS1-9207US</u>

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).

Inventor's Signature

Date

Curtis N. von VEH

Printed Name in English

Printed Name in Native Language (if other than English)

Client Docket No.: 404509-US-NP Attorney Docket No.: MS1-9207US

I <u>Justin Brooks CRANSHAW</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "USER INTERFACE FOR VISUALIZING SEARCH DATA" ("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 and given Application No by
the following Office <u>US - United States Patent and Trademark Office</u>
this APPLICATION's Application No., filing date, and Office, when
known;
was filed on and was given Application No by the
following Office "US - United States Patent and Trademark 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
	1	

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).

Inventor's Signature

Date

Justin Brooks CRANSHAW

Printed Name in English

Printed Name in Native Language

(if other than English)

Client Docket No.: 404509-US-NP Attorney Docket No.: MS1-9207US

joint invent	or of subject matte	r ("INVENTION") disc	the original inventor or a closed and/or claimed in NG SEARCH DATA" ("APPLI	a patent
**************************************	ASSIGNEE'S legal in LLC., One Microsof LEGAL REPRESENT on the following Office	representative, Micr t Way, Redmond, Wa ATIVES), to insert and given Appli e US – United States	authorizes, and requesosoft Technology Licensi shington 98052 (ASSIGNE here in parentheses (fi cation No	ng, E'S led .by <u>ice</u>)
			olication No by the Sent and Trademark Office	,,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
behalf of its of acquiring priority, in derived the United State ASSI to insert th	ielf and its successoring, the entire and exithe INVENTION and the refrom, such as contest, and the first territories, and GNOR hereby authories.	s and assigns ("ASSIC clusive rights, title he APPLICATION (an tinuing applications I all foreign countrie izes, and requests, A filing date, and Offi	ington limited liability con GNEE"), is entitled to, and i and interest, including th d all other applications an , in whole or in part, in a s ("APPLICATION DERIVAT ASSIGNEE'S LEGAL REPRESI ce into the following tab	s desirous ie right of nd patents nd for the TIVES"));
Applicatio	***************************************	Filing Date	Office	
мррисано				
				Samonan Military (State Control Control
1	400000			

Client Docket No.: 404509-US-NP Attorney Docket No.: MS1-9207US

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).

Stevie Nicole CHANCELLOR
Printed Name in English

Printed Name in English

Printed Name in Native Language
(if other than English)

Client Docket No.: <u>404509-US-NP</u> Attorney Docket No.: <u>MS1-9207US</u>

I <u>Anthony CARBARY</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "USER INTERFACE FOR VISUALIZING SEARCH DATA" ("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 and given Application No by
the following Office <u>US - United States Patent and Trademark Office</u>)
this APPLICATION's Application No., filing date, and Office, when
known;
was filed on and was given Application No by the
following Office "US - United States Patent and Trademark 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

Client Docket No.: <u>404509-US-NP</u> Attorney Docket No.: <u>MS1-9207US</u>

	l .
	l .

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).

Tag Lang	04/01/2019
Inventor's Signature	Date
Anthony CARBARY	
Printed Name in English	Printed Name in Native Language
	(if other than English)