506866181 09/13/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6913003

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MARIANNA LEVANT	07/10/2020
PATRICK EVAN LITTLE	07/01/2020
GRIGORIY V. LYUKSHIN	07/13/2020
LISA MARIE WRIGHT	07/02/2020
JOHN THOMAS KIMBELL	07/01/2020
GURPREET VIRDI	06/30/2020
JARED BROWN	06/30/2020
RORY AKIRA MALCOLM FAIRWEATHTER	07/07/2020
DAVID CHEGE GITAU	07/01/2020

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:	17470768

CORRESPONDENCE DATA

Fax Number: (626)577-8800

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: 6267959900

Email: usdocket@microsoft.com
Correspondent Name: MICHAEL S. WAGNER

Address Line 1: P.O. BOX 29001

Address Line 2: LEWIS ROCA ROTHGERBER CHRISTIE LLP

Address Line 4: GLENDALE, CALIFORNIA 91209-9001

ATTORNEY DOCKET NUMBER: 408469-US-CNT

NAME OF SUBMITTER: MICHAEL S. WAGNER

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506866181 REEL: 057461 FRAME: 0762

SIGNATURE:	/Michael S. Wagner/	
DATE SIGNED:	09/13/2021	
Total Attachments: 18		
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> PATENT REEL: 057461 FRAME: 0763

inventor of sentitled "CO	ubject matter ("INVE PYING USER INTI	NTION") disclosed and/or	al inventor or an original joint claimed in a patent application TH DYNAMIC LEVELS OF
	legal representative, Way, Redmond, REPRESENTATIVE	GNOR hereby authorizes, and Microsoft Technology Licens Washington 98052 (AES), to insert here in and given Application No	ing, LLC, One Microsoft ASSIGNEE'S LEGAL parentheses (filed on by the this
		2020 and was given Applica "United States Patent and Tra	•
of itself and it the entire and and the APP continuing ap foreign country ASSIC REPRESENT	exclusive rights, title a LICATION (and all plications, in whole ories ("APPLICATION") GNOR hereby a CATIVES to insert the A	ns ("ASSIGNEE"), is entitled and interest, including the right other applications and pate in part, in and for the Unit DERIVATIVES"));	ited liability company, on behalf I to, and is desirous of acquiring, t of priority, in the INVENTION ints derived therefrom, such as ited States, its territories, and all s, ASSIGNEE'S LEGAL and Office into the following table
Application	No.	Filing Date	Office

Maranton	7/10/2020
Inventor's Signature	Date
Marianna LEVANT	
Printed Name in English	Printed Name in Native Language (if other than English)

I, Patrick Evan LITTLE ("ASSIGNOR"), am the original inventor or an original	joint
inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent applica-	ation
entitled "COPYING USER INTERFACE ARTIFACTS WITH DYNAMIC LEVELS	OF
DETAIL AND SHORTCUT KEYS" ("APPLICATION"), which:	

	will be filed. ASSIGNOR here	eby aut	horizes,	and requests, AS	SSIGNEE'S
	legal representative, Microsoft				
	Way, Redmond, Washing	gton	98052	(ASSIGNEE'S	LEGAL
	REPRESENTATIVES), to	insert	here	in parentheses	(filed on
	and given	ı Appli	cation N	O	by the
	following Office US - United	States	Patent	and Trademark	Office) this
	APPLICATION's Application	No., fil	ing date	, and Office, who	en known;

was filed on <u>June 30, 2020</u> and was given Application No 16916666 by the following Office "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	

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	<u> </u>	·····	

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).

Patrick Evan LITTLE
Printed Name in English

Printed Name in English

Printed Name in Native Language
(if other than English)

I, Grigoriy V LYUKSHIN ("ASSIGNOR"), am the original inventor or an o	original joint
inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent	
entitled "COPYING USER INTERFACE ARTIFACTS WITH DYNAMIC L	EVELS OF
DETAIL AND SHORTCUT KEYS" ("APPLICATION"), which:	

O	will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'	S
	legal representative, Microsoft Technology Licensing, LLC, One Microsoft	fŧ
	Way, Redmond, Washington 98052 (ASSIGNEE'S LEGA	Ĺ
	REPRESENTATIVES), to insert here in parentheses (filed o	n
	and given Application No by th	e
	following Office US - United States Patent and Trademark Office) the	
	APPLICATION's Application No., filing date, and Office, when known;	

was filed on <u>June 30, 2020</u> and was given Application No 16/916,666 by the following Office "<u>United States Patent and Trademark Office</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;

Filing Date	Office	
		0000000
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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

Grigoriy V LYUKSHIN

Printed Name in English

Printed Name in Native Language
(if other than English)

MS Docket No.: 408469-US-NP

		NovoTecnIP	Docket No.: 1/0101-582
inventor of sub entitled "COP	bject matter ("INVE YING USER INTE	NTION") disclosed and/or	nal inventor or an original join claimed in a patent application TH DYNAMIC LEVELS OF n:
] - - :	legal representative, I Way, Redmond, REPRESENTATIVE following Office <u>US</u>	SNOR hereby authorizes, and Microsoft Technology Licens Washington 98052 (ACS), to insert here in and given Application No	ing, LLC, One Microsoft ASSIGNEE'S LEGAL parentheses (filed on by the this
		2020 and was given Applica "United States Patent and Tra	·
of itself and its the entire and en and the APPL continuing app	successors and assign xclusive rights, title a ICATION (and all	ns ("ASSIGNEE"), is entitled and interest, including the right other applications and pate of in part, in and for the Universe	ited liability company, on behalt to, and is desirous of acquiring at of priority, in the INVENTION nts derived therefrom, such as ted States, its territories, and all
	ATIVES to insert the A		s, ASSIGNEE'S LEGAL and Office into the following table
Application N		Filing Date	Office

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

Lisa Marie WRIGHT

Printed Name in English

Printed Name in Native Language (if other than English)

		NovoTechir	Docket No.: 1/0101-382
inventor of su entitled "CO	ubject matter ("INVE PYING USER INTI	ENTION") disclosed and/or	inal inventor or an original joint claimed in a patent application TH DYNAMIC LEVELS OF n:
	legal representative, I Way, Redmond, REPRESENTATIVE	GNOR hereby authorizes, and Microsoft Technology Licens Washington 98052 (AES), to insert here in and given Application No. S - United States Patent and pplication No., filing date, an	sing, LLC, One Microsoft ASSIGNEE'S LEGAL parentheses (filed on by the I Trademark Office) this
		2020 and was given Applica "United States Patent and Tr	
of itself and it the entire and and the APP continuing ap	s successors and assig exclusive rights, title a LICATION (and all plications, in whole o ries ("APPLICATION	ns ("ASSIGNEE"), is entitled and interest, including the right other applications and pate or in part, in and for the Uni	nited liability company, on behalf d to, and is desirous of acquiring, at of priority, in the INVENTION ents derived therefrom, such as ted States, its territories, and all ts, ASSIGNEE'S LEGAL
			nd Office into the following table
Application 1		Filing Date	Office
11pp110001011			31110

Jwentor's Signature	7 /20 Date ( )
John Thomas KIMBELL	
Printed Name in English	Printed Name in Native Language (if other than English)

I. Gurpreet VIRDI ("ASSIGNOR"), am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "COPYING USER INTERFACE ARTIFACTS WITH DYNAMIC LEVELS OF DETAIL AND SHORTCUT KEYS" ("APPLICATION"), which:

☐ will be filed.	ASSIGNOR hereby	authorizes, and re-	quests, ASSIGNEE'S
legal repres	entative. Microsoft	Technology Lic	ensing, LLC, One
Microsoft W	ay, Redmond, Wasl	nington 98052 (A.	SSIGNEE'S LEGAL
REPRESENT			rentheses (filed on
	•		by the
			ademark Office) this
APPLICATIO	JN's Application No	., filing date, and C	office, when known;

was filed on <u>June 30, 2020</u> and was given Application No 16/916,666 by the following Office "<u>United States Patent and Trademark Office</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

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")):

PATENT REEL: 057461 FRAME: 0774

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).

SALV

June 30, 2020

Inventor's Signature

Date

Gurpreet VIRDI

Printed Name in English

Printed Name in Native Language (if other than English)

I, Jared BROWN ("ASSIGN subject matter ("INVENTION") "COPYING USER INTERFACE A SHORTCUT KEYS" ("APPLICAT	disclosed and/or claimed in ARTIFACTS WITH DYNAM	
□ will be filed. ASSI	GNOR hereby authorizes, and	requests ASSIGNEE'S
		•
	Microsoft Technology Licens	
	Washington 98052 (A	
REPRESENTATIV	ES), to insert here in	
C 11 : OCC 11	and given Application No	
	S - United States Patent and	
APPLICATION'S A	pplication No., filing date, an	d Office, when known;
⊠ was filed on June 30	<u>, 2020</u> and was given Applica	tion No 16/916 666 by
	"United States Patent and Tra	•
the following Office	Office States Latent and Th	idemark office,
Microsoft Technology Lice of itself and its successors and assign		ited liability company, on behalf
•		
the entire and exclusive rights, title		
and the APPLICATION (and all		
continuing applications, in whole	-	ted States, its territories, and an
foreign countries ("APPLICATION	(DERIVATIVES"));	
ASSIGNOR hereby	authorizes and request	s, ASSIGNEE'S LEGAL
REPRESENTATIVES to insert the	•	· ·
for any APPLICATION DERIVAT		
Application No.	Filing Date	Office

Jan Lo	06/30/2020
Inventor's Signature	Date
Jared BROWN	
Printed Name in English	Printed Name in Native Language
<u> </u>	(if other than English)

MS Docket No.: 408469-US-NP

		NovoTechir	Docket No.: 1/0101-382
an original joi application en	int inventor of subject ntitled "COPYING US	matter ("INVENTION") disc	PR"), am the original inventor or closed and/or claimed in a patent TS WITH DYNAMIC LEVELS which:
	legal representative, Way, Redmond, REPRESENTATIVE following Office US	GNOR hereby authorizes, and Microsoft Technology Licens Washington 98052 (AES), to insert here in and given Application No. S - United States Patent and pplication No., filing date, and	sing, LLC, One Microsoft ASSIGNEE'S LEGAL parentheses (filed on by the I Trademark Office) this
	· · · · · · · · · · · · · · · · · · ·	<u>, 2020</u> and was given Applica " <u>United States Patent and Tr</u>	•
of itself and it the entire and and the APP continuing ap foreign country	es successors and assign exclusive rights, title and all polications, in whole cories ("APPLICATION")	ns ("ASSIGNEE"), is entitled and interest, including the right other applications and pate or in part, in and for the Unit DERIVATIVES"));	nited liability company, on behalf d to, and is desirous of acquiring, nt of priority, in the INVENTION ents derived therefrom, such as ted States, its territories, and all ts, ASSIGNEE'S LEGAL nd Office into the following table
		IVES after they are known;	
Application	No.	Filing Date	Office

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

Rory Akira Malcolm FAIRWEATHTER

Printed Name in English

Printed Name in Native Language (if other than English)

MS Docket No.: 408469-US-NP

	NovoTecinf Docket No.: 170101-382
inventor of subject matter ("INVENTIO	GNOR"), am the original inventor or an original joint on") disclosed and/or claimed in a patent application CE ARTIFACTS WITH DYNAMIC LEVELS OF PPLICATION"), which:
legal representative, Mi Microsoft Way, Redmond REPRESENTATIVES), and g following Office US - Ur	hereby authorizes, and requests, ASSIGNEE'S acrosoft Technology Licensing, LLC, One d, Washington 98052 (ASSIGNEE'S LEGAL to insert here in parentheses (filed on given Application No by the nited States Patent and Trademark Office) this tion No., filing date, and Office, when known;
	and was given Application No 16/916,666 by ed States Patent and Trademark Office";
behalf of itself and its successors and as acquiring, the entire and exclusive rights, INVENTION and the APPLICATION (a such as continuing applications, in whole and all foreign countries ("APPLICATION ASSIGNOR hereby authorized authorized and all foreign countries and all foreign countries ("APPLICATION and all foreign countries and all foreign countries ("APPLICATION and all foreign countries and all foreign	izes, and requests, ASSIGNEE'S LEGAL
REPRESENTATIVES to insert the Applitable for any APPLICATION DERIVATION.	lication No., filing date, and Office into the following IVES after they are known:
Application No. Filing	

Inventor's Signature	Date
David Chege GITAU	