PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5566564

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DANIEL CLARK PARK	06/10/2019
DAVID KAZMIERZ SZCZYPINSKI	06/10/2019
BRETT ANDREW TOMKY	06/10/2019

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:	16438042

CORRESPONDENCE DATA

Fax Number: (425)936-7329

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: 425-538-9035

Email: usdocket@microsoft.com

MICROSOFT CORPORATION **Correspondent Name:**

Address Line 1: ONE MICROSOFT WAY

Address Line 4: **REDMOND, WASHINGTON 98052**

ATTORNEY DOCKET NUMBER:	406342-US-NP
NAME OF SUBMITTER:	VLADIMIR A. KOZYREV
SIGNATURE:	/VLADIMIR A. KOZYREV/
DATE SIGNED:	06/11/2019

Total Attachments: 6

source=2019-06-11 Executed Assignments 406342-US-NP#page1.tif source=2019-06-11 Executed Assignments 406342-US-NP#page2.tif source=2019-06-11 Executed Assignments 406342-US-NP#page3.tif source=2019-06-11 Executed Assignments 406342-US-NP#page4.tif

PATENT REEL: 049437 FRAME: 0042 505519759

source=2019-06-11 Executed Assignments 406342-US-NP#page5.tif source=2019-06-11 Executed Assignments 406342-US-NP#page6.tif

PATENT REEL: 049437 FRAME: 0043

PATENT ASSIGNMENT	Γ MS Docket	No.: <u>406342-US-NP</u>
I <u>Daniel Clark PARK</u> ("As inventor of subject matter (application entitled " <u>DISPLAY</u> which:	"INVENTION") disclosed	•
ASSIGNEE'S legal LLC, One Microsof LEGAL REPRESENT June 11, 2019 the following Offic	ASSIGNOR hereby auth representative, Microsoft ft Way, Redmond, Washing ATIVES), to insert here in part and given Application No., filing da	Technology Licensing, yton 98052 (ASSIGNEE'S parentheses (filed on No. 16/438,042 by this
	and was given . Office "	
Microsoft Technology Licebehalf of itself and its successed desirous of acquiring, the entioning of priority, in the INVENTIPLE patents derived therefrom, sucfor the United States, its to DERIVATIVES"));	ssors and assigns ("ASSIO re and exclusive rights, ti ON and the APPLICATION (h as continuing applicatio	tle and interest, including the (and all other applications and ns, in whole or in part, in and
ASSIGNOR hereby REPRESENTATIVES to insert tl following table for any APPLICA	he Application No., filing	
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).

Daniel Mall Mall Inventor's Signature	June 10, 2019 Date
Daniel Clark PARK Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

PATE	INT ASSIGNMEN	IT MS	Docket No.: 406342	<u>-US-NP</u>
original join	t inventor of subj plication entitle	ect matter ("INVEN	OR") am the origina TION") disclosed an OTATION LOCKIN	d/or claimed in a
	ASSIGNEE'S legal LLC, One Microso LEGAL REPRESEN	i representative, M oft Way, Redmond, TATIVES), to insert	y authorizes, and icrosoft Technology Washington 98052 (here in parentheses ication No. 16/438,0	Licensing, ASSIGNEE'S (filed on
			iling date, and Of	
			s given Application f	
behalf of it: desirous of right of prior patents deriv	self and its succe acquiring, the ent rity, in the INVENT ved therefrom, su- ited States, its	essors and assigns ire and exclusive r ION and the APPLIC ch as continuing ap	shington limited liab ("ASSIGNEE"), is endights, title and inter ATION (and all other oplications, in whole all foreign countrie	ntitled to, and is est, including the rapplications and or in part, in and
REPRESENTA	TIVES to insert	the Application N	requests, ASS o., filing date, and after they are know	Office into the
Application I		Filing Date	Office	
		ž.	\$	1

MS Docket No.: 406342-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).

	ZO19.06.10
Inventor's Sighature	Date
David Kazmierz SZCZYPINSKI	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT

1115 DOCKEL 110 +005+2-05-111	MS	Docket No.:	406342-US-NP
-------------------------------	----	-------------	--------------

I Rrett Andrew TOMKY ("ASSI	GNOR") am the origina	l inventor or an original joint		
inventor of subject matter ("INV	•			
application entitled "DISPLAY ROTAT		•		
_				
⊠ will be filed. ASS	•	· •		
ASSIGNEE'S legal representative, Microsoft Technology Licensing,				
·	y, Redmond, Washingt	·		
	/ES), to insert here in pa			
		o. <u>16/438,042</u> by		
the following Office $_$) this		
APPLICATION's Applica	ation No., filing date, ar	nd Office, when known;		
was filed on	and was given A	application No		
,				
Microsoft Technology Licensi	ing. LLC. a Washington	limited liability company, on		
behalf of itself and its successors an		, , ,		
of acquiring, the entire and exclus		•		
priority, in the INVENTION and the	<u> </u>			
•		• • • • • • • • • • • • • • • • • • • •		
	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"));			
officed states, its territories, and an	Toleigh countries (All	LICATION DERIVATIVES 111,		
ASSIGNOR hereby authorizes	and requests ASSICN	EE'S LECAL DEDDESENITATIVES		
•	•			
to insert the Application No., filing	-	the following table for any		
APPLICATION DERIVATIVES after the	<u> </u>	Occ		
Application No. Fil	ing Date	Office		

PATENT ASSIGNMENT

MS Docket No.: 406342-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).

Inventor's Signature

Brett Andrew TOMKY

Printed Name in English

Printed Name in Native Language (if other than English)