504634997 11/09/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4681715

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHRISTIAN KLEIN	05/17/2017
ROBERT JOSEPH DISANO	11/02/2017
SAMMY CHIU	11/07/2017
KATHERINE BLAIR HUFFMAN	11/02/2017
CONNOR LAWRENCE WEINS	11/06/2017

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:	15797266

CORRESPONDENCE DATA

Fax Number: (509)755-7252

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.

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Email: usdocket@microsoft.com

Correspondent Name: WOLFE-SBMC

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Address Line 2: SUITE 300

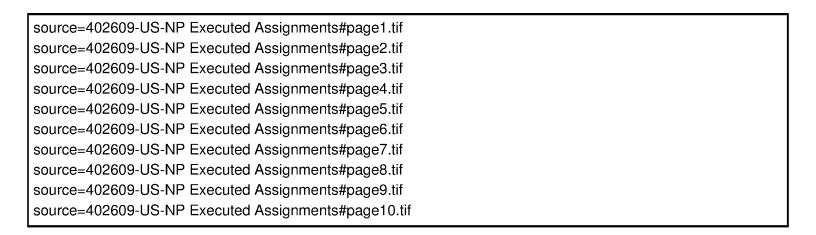
Address Line 4: SPOKANE, WASHINGTON 99201

Total Attackments 40	
DATE SIGNED:	11/09/2017
SIGNATURE:	/Christopher J. Culberson Reg No. 59136/
NAME OF SUBMITTER:	CHRISTOPHER J. CULBERSON
ATTORNEY DOCKET NUMBER:	402609-US-NP

Total Attachments: 10

PATENT REEL: 044081 FRAME: 0271

504634997



PATENT REEL: 044081 FRAME: 0272

PATENT ASSIGNMENT		MS Docket No.: 40	2440-US-PSP
l <u>Christian KLEIN</u> ("AS inventor of subject matter application entitled " <u>Multi-Di</u>	("INVENTION") discl		in a patent
☐ will be filed.	ASSIGNOR hereby	authorizes, and re	quests,
		crosoft Technology Lic	·
-	•	Vashington 98052 (ASS	
· ·	• "	t here in parenthese	
		lication No.	
the following			
<u>~</u>		date, and Office, when	
🗵 was filed on <u>Ma</u>	<u>y 14, 2017</u> and was g	iven Application No	
62/505,942 by	the following Office "	<u>US – United States Pate</u>	nt and
<u>Trademark Offic</u>	<u>:e";</u>		
Microsoft Technology behalf of itself and its success of acquiring, the entire and priority, in the INVENTION an derived therefrom, such as cunited States, its territories, a	sors and assigns ("ASS exclusive rights, title d the APPLICATION (a ontinuing application	and interest, including and all other applications, in whole or in part,	and is desirous g the right of as and patents in and for the
ASSIGNOR hereby auth	orizes, and requests,	ASSIGNEE'S LEGAL REP	RESENTATIVES
to insert the Application No.	., filing date, and Of	fice into the following	table for any
APPLICATION DERIVATIVES af	ter they are known;	······	
Application No.	Filing Date	Office	

MS Docket No.: 402440-US-PSP

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).

arts Mh	5-17-17
Inventor's Signature	Date
Christian KLEIN	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>Robert Joseph DISANO</u> ("ASSIGNO	•••	* *
inventor of subject matter ("INVENTIC	DN") disclosed and/or	claimed in a patent
application entitled "Configuration of Pri	mary and Secondary Dis	<u>plays"</u> ("APPLICATION"),
which:		

will b	e file	ed.	ASSIGNO	R he	reby	auth	orize	s, and	req	uests,
ASSIGN	IEE'S	legal	represent	ative,	Micr	osoft	Tecl	nnology	Lice	nsing,
LLC., O	ne M	icroso	ft Way, Re	dmor	ıd, Wa	shing	ton	98052 (ASSIG	NEE'S
LEGAL	REPR	RESEN	TATIVES),	to li	rsert	here	in	parenth	eses	(filed
on		:	and g	given	Appli	cation	No.			by
the fo	ollowi	ng C	Office)	this
APPLIC.	ATIO	N's Ap	plication i	۷o., fi	ling d	ate, a	nd O	ffice, wl	ien ki	nown;

was filed on October 30, 2017 and was given Application No 15/797,266 by the following Office "US";

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).

	11/2/2017
Inventor's Signature	Date /
Robert Joseph DISANO	
Printed Name in English	Printed Name in Native Language
	(if other than English)

	atter ("INV	ENTION")	disclosed a	nd/or cla	imed i	n a pat	ent ap	nal joint invent plication entitl nich:	
	will be	filed.	ASSIGNOR	hereby	autho	rizes,	and	requests,	
	LLC., On LEGAL F on the foll	e Microso REPRESENT Lowing C	representat ft Way, Redi TATIVES), t and giv Office oplication No	mond, Wa o insert ven Appli	ashingt here cation	ton 980 in pa No	052 (A renthe	SSIGNEE'S ses (filed by this	
57	6.1				_				
	was filed	l on <u>Octol</u>	oer 30, 201	Z and wa	s given	ı Appli	cation	No	
	15/797,	<u>266</u> by th	e following	Office " <u>U</u>	<u>S</u> ";				
of acquiring priority, in the derived ther United States ASSIG	, the entine INVENT efrom, su s, its terri NOR here Applicat	re and ex FION and ch as con tories, and by author ion No.,	cclusive righthe APPLICA stinuing app d all foreign izes, and re filing date,	nts, title TION (ar dications countrie quests, A and Offi	and in ad all o , in wh es ("API	terest, ther ap tole or PLICAT EE'S LE	includ plicate in pa ION D	o, and is desiroding the right ions and pater it, in and for terion ERIVATIVES")); EPRESENTATIV ng table for a	of nts the /ES
		HVES alle				Office	······		
Application	IVU.		Filing Dat	€		UIIICE			
							/////////////////////////////////////		
***************************************	***************************************	***************************************			***********	***************************************	************	*******************************	******

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).

Date

Inventor's Signature

Printed Name in English

Sammy CHIU

Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT		MS Docket No.: <u>402609-US-N</u>	
joint invento	or of subject matter	("INVENTION") disclosed	riginal inventor or an original and/or claimed in a patent ury Displays" ("APPLICATION"),
	ASSIGNEE'S legal r LLC., One Microsof LEGAL REPRESENT on the following Of	ASSIGNOR hereby author epresentative, Microsoft tway, Redmond, Washings ATIVES), to insert here and given Application fice	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed Noby
\boxtimes		er 30, 2017 and was giver following Office " <u>US</u> ";	Application No
behalf of itse of acquiring priority, in the derived there United States	elf and its successors, the entire and exc ne INVENTION and the efrom, such as cont s, its territories, and	and assigns ("ASSIGNEE") clusive rights, title and in ne APPLICATION (and all o inuing applications, in wh all foreign countries ("API	limited liability company, on, is entitled to, and is desirous terest, including the right of ther applications and patents tole or in part, in and for the PLICATION DERIVATIVES"));
	•	· · · · · · · · · · · · · · · · · · ·	EE'S LEGAL REPRESENTATIVES the following table for any
	N DERIVATIVES after	•	The following table for any
Application	No.	Filing Date	Office

MS Docket No.: 402609-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

Date

Katherine Blair HUFFMAN

Printed Name in English

Printed Name in Native Language

(if other than English)

PATENT AS	SIGNMENT	MS Docket No.: <u>402609-US-NI</u>	
joint invento	or of subject matter	r ("INVENTION") disclosed	iginal inventor or an original l and/or claimed in a patent ary Displays" ("APPLICATION"),
	ASSIGNEE'S legal r LLC., One Microsof LEGAL REPRESENT on the following Of	ASSIGNOR hereby authorepresentative, Microsoft tway, Redmond, Washing ATIVES), to insert here and given Application ffice and No., filing date, and Italian the collication of the No., filing date, and Italian the Collication No., filing date, and	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed Noby) this
		er 30, 2017 and was giver following Office " <u>US</u> ";	n Application No
behalf of itse of acquiring, priority, in th derived there	olf and its successors the entire and exc ne INVENTION and the efrom, such as cont	s and assigns ("ASSIGNEE") clusive rights, title and in he APPLICATION (and all o tinuing applications, in wh	I limited liability company, on, is entitled to, and is desirous terest, including the right of other applications and patents nole or in part, in and for the PLICATION DERIVATIVES"));
ASSIG	NOR hereby authori	zes, and requests, ASSIGN	EE'S LEGAL REPRESENTATIVES
			o the following table for any
	I DERIVATIVES after		
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).

Cars Ness	1/6/17	
Inventor's Signature	Date	
Connor Lawrence WEINS		
Printed Name in English	Printed Name in Native Language	
	(if other than English)	