504848145 04/02/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4894882

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JIA WANG	11/01/2016
YASAMAN SHERI	10/26/2016
JULIA SCHWARZ	10/28/2016
DAVID J. CALABRESE	10/27/2016
DANIEL B. WITRIOL	10/28/2016

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:	15341957

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: 4257079382

Email:usdocket@microsoft.comCorrespondent Name:MICROSOFT CORPORATION

Address Line 1: ONE MICROSOFT WAY

Address Line 4: REDMOND, WASHINGTON 98052

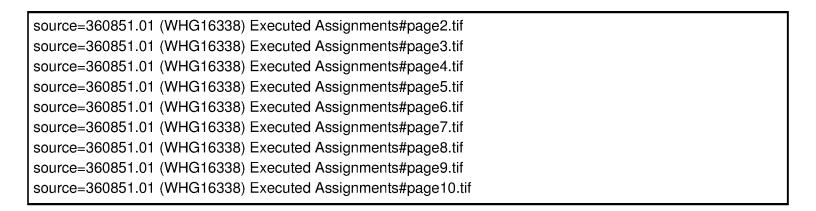
ATTORNEY DOCKET NUMBER:	360851.01 (WHG16338)
NAME OF SUBMITTER:	HEIDI LAUMAN
SIGNATURE:	/HEIDI LAUMAN/
DATE SIGNED:	04/02/2018

Total Attachments: 10

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PATENT REEL: 045409 FRAME: 0615

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PATENT REEL: 045409 FRAME: 0616

	PATENT AS:	SIGNMENT	MS Docket No.:	WHG16338
subject matt	<u>Vang</u> ("ASSIGNOR") ; er ("INVENTION") di <u>FORDANCE DISPLA</u> Y	sclosed and/or clai	med in a patent ap	plication entitle
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	was filed on	and was	given Application	
	34	by the following		
		51.		
Micro	soft Technology Lic	ensing, LLC, a Wash	iington limited liabi	ility company, or
behalf of itse	elf and its successor:	s and assigns ("ASSI	GNEE"), is entitled to	o, and is desirous
of acquiring	, the entire and ex	clusive rights, title	and interest, include	ding the right o
priority, in th	ne INVENTION and t	he APPLICATION (ar	nd all other applicat	ions and patent
derived there	efrom, such as cont	tinuing applications	, in whole or in pa	rt, in and for the
United States	s, its territories, and	l all foreign countrie	es ("APPLICATION D	ERIVATIVES"));
	NOR hereby authori			
	Application No., f	•	ice into the followi	ng 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).

. 1	
Well/r	11/01/2016
Inventor's Signature	Date _ ヹ
Jia Wang	<u> </u>
Printed Name in English	Printed Name in Native Language (if other than English)

I <u>Yasaman Sheri</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>VIRTUAL AFFORDANCE DISPLAY AT VIRTUAL TARGET</u>" ("APPLICATION"), which:

\boxtimes	will	be	filed.	ASSIGNO	R hereby	auth	orizes,	and	requ	uests,
	ASSI	GNE	E'S leg	al represent	ative, Mic	rosoft	Techno	ology	Licer	nsing,
	LLC,	One	Micros	soft Way, Re	dmond, W	'ashing	ton 98	052 (4	١SSIG	NEE'S
				NTATIVES), 2016 and o			-			
	the	foll	owing	Office						this
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	was	filed	on		and was	given /	Applica	tion		
	No_			by the	following	Office	<u>:</u>			
	"		*********	***************************************	yy. 					

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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10/26/16

Inventor's Signature

Date

Yasaman Sheri

Printed Name in English

Printed Name in Native Language

(if other than English)

PATENT REEL: 045409 FRAME: 0620 I <u>Julia Schwarz</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>VIRTUAL AFFORDANCE DISPLAY AT VIRTUAL TARGET</u>" ("APPLICATION"), which:

\boxtimes	will	be	filed.	ASSIGNO	R hei	reby	auth	orizes	and	req	uests,
	ASSI	GNE	E'S legal	l represent	ative,	Micr	osoft	Techr	iology	Lice	nsing,
	LLC,	One	Micros	oft Way, Re	dmon	d, Wa	shing	ton 98	3052 (ASSIG	NEE'S
	LEGA	AL F		NTATIVES),	to ir	sert	here	in p	arenth	ieses	(filed
	on		Novemb	per 2, 2016		and		given		Appli	cation
	No.		15/34	1,957		by		the		foll	owing
	Offic	e _					/) this	APP	LICAT	ION's
	Appl	icat	ion No.,	filing date,	and C)ffice	, whei	n knov	vn;		
	was	filec	l on		and	was g	given	Applic	ation		
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- 11/1/Au	10/28/2016
Inventor's Signature	Date
Julia Schwarz	
Printed Name in English	Printed Name in Native Language
	(if other than English)

	P.	ATENT A	SSIGNMEN'	Γ	MS D	ocket No	o.: <u>V</u>	/HG16	<u> 5338</u>
inventor of	subjec entitle	t matter d " <u>VIRTU</u>	ASSIGNOR") a ("INVENTION IAL AFFORE	") disclo	sed a	ind/or o	claimed	in a	paten
\boxtimes	will b	e filed.	ASSIGNOR	hereby	autho	orizes,	and re	quests	,
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ASSIGNEE'S legal re	epresentative, Microsoft	Technology Licensing,
LLC, One Microsoft	Way, Redmond, Washing	ton 98052 (ASSIGNEE'S
	ATIVES), to insert here 16 and given Application	•
the following Of	fice) this
APPLICATION's App	lication No., filing date, a	nd Office, when known;
was filed on	and was given /	Application
No	by the following Office	
"	". 	

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E Commence of the Commence of	10/27/2016
Inventor's Signature	Date
David J. Calabrese	
Printed Name in English	Printed Name in Native Language
	(if other than English)

Application No. Filing Date Office

Page 1 of 2

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Dand B. noted	10-78-10
Inventor's Signature	Date
Daniel B. Witriol	
Printed Name in English	Printed Name in Native Language
	(if other than English)

RECORDED: 04/02/2018