504162263 01/04/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4208939

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VASILEIOS KANDYLAS	02/19/2016
SERGE-ERIC TREMBLAY	02/17/2016
OMAR ALONSO	02/19/2016

RECEIVING PARTY DATA

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Street Address:	ONE MICROSOFT WAY
City:	REDMOND
State/Country:	WASHINGTON
Postal Code:	98052

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15055772

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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ATTORNEY DOCKET NUMBER:	357853-US-NP/MFCP.237994
NAME OF SUBMITTER:	JASON O. HOWARD
SIGNATURE:	/JASON O. HOWARD/
DATE SIGNED:	01/04/2017

Total Attachments: 6

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PATENT REEL: 040838 FRAME: 0050 504162263

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PATENT REEL: 040838 FRAME: 0051

PATENT ASSIGNMENT

	("INVENTION") disclosed	nal inventor or an original joint and/or claimed in a patent N"), which:				
ASSIGNEE'S legal 2555 Grand B associated with REPRESENTATIVE on 2016-0 No. 15/055,772 Patent and Trade	ASSIGNOR hereby audinerer and learning and learning and learning and learning of this APPLICA office, when known;	k, Hardy & Bacon L.L.P., couri 64108, who are 309 (ASSIGNEE'S LEGAL in parentheses (filed given Application fice <u>US – United States</u>				
	and was given	Application No by				
behalf of itself and its succe desirous of acquiring, the enti right of priority, in the INVENT patents derived therefrom, suc	essors and assigns ("ASSI ire and exclusive rights, t ION and the APPLICATION th as continuing application	on limited liability company, on GNEE"), is entitled to, and is itle and interest, including the (and all other applications and ons, in whole or in part, in and ign countries ("APPLICATION				
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				

Page 1 of 2

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).

Varileio, Vundyly	02/19/201ce
Inventor's Signature	Date
Printed Name in English	Printed Name in Native Language
	(if other than English)

Attorney Docket No. 357853.01/MFCP.237994

PATENT ASSIGNMENT

	I, Sef	RGE E	FRIC '	TRE	VIBLAY	("ASS	IGNOF	₹), a	am ti	he o	riginal	ins	/entor	or	an	O	riginal
joint	invent	or of	subj	ect	matter	("IN\	/ENTIC	ON')	disc	lose	d and/	or	claim	ed	in	2	patent
appli	cation	entitl	ed "C	cont	ent Ca	atego	rizat	ion'	("AF	PLIC	ATION), \	which:				

<u>S</u>	will be filed.	ASSIGNOR	hereby	authorizes	and re	ests:
	ASSIGNEE-6 legal	representation	ves, of Sh	ook, Hardy	/ & Bacon	LLP.,
	2555 Grand B	vd., Kansas	City, M	lissouri 64	‡108, wt	то аге
	associated with	Customer 1	Number 4	45809 (AS	SIGNEE+S	LEGAL
	REPRESENTATIVE					
	on 2016-02	-29	and	given	Appl	lication
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	Patent and Trade	mark Office)	this APPL	JCATION+s	Application	on No.,
	filing date, and C	office, when k	nown;			
- Constitution of the cons	was filed on	a	nd was gi	ven Applica	ition No _	by
	the following Off	ice "		F a		
	•					

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-6 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
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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).

Printed Name in English

Inventor's Signature Date

Serge-Eric Tremblay Serge-Eric Tremblay

Timed Name in Notice Language Printed Name in Native Language

(if other than English)

Attorney Docket No. 357853.01/MFCP.237994

PATENT ASSIGNMENT

I, OMAR ALONSO ("ASSI inventor of subject matter (application entitled "Content ("INVENTION") disclosed	, ·
ASSIGNEE'S legal 2555 Grand Bly associated with REPRESENTATIVES on2016-02- No15/055,772 Patent and Trader	ASSIGNOR hereby autrepresentatives, of Shooked., Kansas City, Misson Customer Number 4580), to insert here in 29 and by the following Offmark Office) this APPLICA fice, when known;	t, Hardy & Bacon L.L.P., ouri 64108, who are 09 (ASSIGNEE'S LEGAL n parentheses (filed given Application ice US – United States
	and was given	Application No by
Microsoft Technology Lice behalf of itself and its success desirous of acquiring, the entire right of priority, in the INVENTION patents derived therefrom, such for the United States, its to DERIVATIVES"));	ssors and assigns ("ASSI re and exclusive rights, ti ON and the APPLICATION h as continuing application	tle and interest, including the (and all other applications and ns. in whole or in part, in and
ASSIGNOR hereby a REPRESENTATIVES to insert the following table for any APPLICA	ne Application No., filin	•
Application No.	Filing Date	Office

Page 1 of 2

Attorney Docket No. 357853.01/MFCP.237994

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	19-FEB-2016
Inventor's Signature	Date
OME MONSO	
Printed Name in English	Printed Name in Native Language
	(if other than English)

Page 2 of 2