503313708 05/19/2015

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BENJAMIN LIVSHITS	05/17/2015
BENJAMIN G. ZORN	01/28/2015
BENJAMIN STOCK	01/27/2015

RECEIVING PARTY DATA

Name:	MICROSOFT TECHNOLOGY LICENSING, LLC.
Street Address:	ONE MICROSOFT WAY
City:	REDMOND
State/Country:	WASHINGTON
Postal Code:	98052-6399

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14599394

CORRESPONDENCE DATA

Fax Number: (509)944-4692

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: 509-324-9256

Email: marianne@leehayes.com **Correspondent Name:** LEE & HAYES, PLLC

Address Line 1: 601 W. RIVERSIDE AVE, SUITE 1400 Address Line 4: SPOKANE, WASHINGTON 99201

ATTORNEY DOCKET NUMBER: MS1-6164US NAME OF SUBMITTER: MARIANNE WINTERMUTE SIGNATURE: /Marianne Wintermute/ **DATE SIGNED:** 05/19/2015

Total Attachments: 6

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> PATENT REEL: 035673 FRAME: 0044

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

MS Docket No.: 356396.01

Attorney Docket No.: MS1-6164US

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).

12	5/17/2015
Inventor's Signature	Date
Benjamin Livshits	
Printed Name in English	Printed Name in Native Language
	(if other than English)

APPLICATION DERIVATIVES after they are known;

Application No.	Filing Date	Office

MS Docket No.: 356396.01

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Ben D Zm	1/28/2015
Inventor's Signature	Date
Benjamin G. Zorn	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT AS	SIGNMENT	MS Docke	t No.:	356396.01
		Attorney Docke	t No.:	MS1- 6164US
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a patent app	lication entitled			
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("APPLICATIC	ON"), which:		••••••	
	ASSIGNEE'S legal is LLC., One Microsof LEGAL REPRESENT on the following Office	ASSIGNOR hereby author epresentative, Microsoft T t Way, Redmond, Washingto ATIVES), to insert here and given Application to US - United States Patent s Application No., filing d	Techno on 980 in par No and Tra	logy Licensing, 152 (ASSIGNEE'S entheses (filed by ademark Office)
Ø		16/2015 and was given A by the following Office ! ark Office;		
behalf of itse of acquiring priority, in the derived there	elf and its successor , the entire and ex- ne INVENTION and t efrom, such as cont	ensing, LLC, a Washington s and assigns ("ASSIGNEE"), clusive rights, title and inthe APPLICATION (and all ottinuing applications, in while all foreign countries ("APP	is entil erest, her ap ole or	tled to, and is desirous including the right of plications and patents in part, in and for the
to insert the		zes, and requests, ASSIGNE iling date, and Office into they are known:		
Application		Filing Date	Office	
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PATENT ASSIGNMENT	MS Docket No.: 358396.01		
	Attorney Docket No	3.: MS1-6164US	
	"		

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N. SL	01/97/2015
Inventor's Signature	Date
Benjamin Stock	Α
Printed Name in English	Printed Name in Native Language
	(if other than English)