504106979 11/22/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4153648

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BJORN U. HARTMANN	04/23/2013
ANDREW D. WILSON	04/23/2013
HRVOJE BENKO	05/08/2013
MEREDITH J. MORRIS	03/20/2013

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15157992

CORRESPONDENCE DATA

Fax Number: (509)252-5002

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: 425-707-9382

 Email:
 usdocket@microsoft.com

 Correspondent Name:
 MICROSOFT CORPORATION

 Address Line 1:
 ONE MICROSOFT WAY

A Jalina and Line And DEDMONID AMAGUINIOTON CO

Address Line 4: REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	324747.10
NAME OF SUBMITTER:	ALEX LEA
SIGNATURE:	/alex lea/
DATE SIGNED:	11/22/2016

Total Attachments: 8

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PATENT 504106979 REEL: 040400 FRAME: 0034

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PATENT REEL: 040400 FRAME: 0035

	PATENT ASSIGNMEN	T MS D	ocket No.: 324747.06
inventor of subjec	urtmann ("ASSIGNOR") ar t matter ("INVENTION") " <u>Using Physical Objects i</u> ich:	disclosed and/or	claimed in a patent
ASSIGN Depart Washin here i Applica States Applica	e filed. ASSIGNOR hileE'S legal representative ment, Microsoft Corporal gton 98052 (ASSIGNEE'S niparentheses (filed cation No. Patent and Trademistion No., filing date, and ed on March 27, 2013 a	s, of the Law and C tion, One Microsoft LEGAL REPRESENTA on by the following Of ark Office) this Office, when know	Corporate Affairs Way, Redmond, CTIVES), to insert and given ffice US - United APPLICATION's n;
	1,797 by the following C nark Office";	Office "United States	Patent and
successors and assi entire and exclusive (and all other app	rporation, a Washington gns ("ASSIGNEE"), is enti- rights, title and interest lications and patents for the United States, /ATIVES"));	tled to, and is desi t in the INVENTION derived therefrom,	rous of acquiring, the and the APPLICATION such as continuing
REPRESENTATIVES to	hereby authorizes, o insert the Application by APPLICATION DERIVAT	No., filing date,	and Office into the
Application No.	Filing Date	Office	
	:	3	:

Page 1 of 2

MS Docket No.: 324747.06

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 in the INVENTION and the APPLICATION (and 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).

			_
	Z.o. W.	4/23/2013	
***************************************	inventor's Signature	Date	
	BJÖRN U. HARTMANN		
	Printed Name in English	Printed Name in Native Language	
		(if other than English)	

inventor of subject matter	("INVENTION") disclosed	al inventor or an original joint and/or claimed in a patent on with an Interactive Surface"
ASSIGNEE'S legal Department, Mic Washington 980! here in parentl Application No States Patent	ASSIGNOR hereby auth representatives, of the Law rosoft Corporation, One M 52 (ASSIGNEE'S LEGAL REPROMESS (filed on by the followand Trademark Office) filing date, and Office, whe	w and Corporate Affairs icrosoft Way, Redmond, ESENTATIVES), to insert and given wing Office US – United this APPLICATION's
	<u>ch 27, 2013</u> and was give the following Office " <u>Unite</u> 2";	
successors and assigns ("ASSI entire and exclusive rights, ti (and all other applications	GNEE"), is entitled to, and tle and interest in the INV and patents derived the United States, its territor	n, on behalf of itself and its lis desirous of acquiring, the ENTION and the APPLICATION erefrom, such as continuing ies, and all foreign countries
	the Application No., filin	uests, ASSIGNEE'S LEGAL g date, and Office into the
Application No.	Filing Date	Office Office

Page 1 of 2

MS Docket No.: 324747.06

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Any hom	April 23, 2013
Inventor's Signature	Date
ANDREW D. WILSON	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: <u>324747.06</u>

I <u>Hrvoje Benko</u> ("ASSIG inventor of subject matter (application entitled " <u>Using Phys</u> ("APPLICATION"), which:	"INVENTION") disclosed	•
ASSIGNEE'S legal in Department, Micro Washington 9805. here in parenthe Application No	ASSIGNOR hereby auth representatives, of the Lavosoft Corporation, One Mi (2 (ASSIGNEE'S LEGAL REPReses (filed on by the followind Trademark Office) ling date, and Office, whe	w and Corporate Affairs crosoft Way, Redmond, ESENTATIVES), to insert and given wing Office US – United this APPLICATION's
	<u>th 27, 2013</u> and was giver he following Office " <u>United</u> ;	
Microsoft Corporation, a successors and assigns ("ASSIC entire and exclusive rights, titl (and all other applications a applications, in and for the U ("APPLICATION DERIVATIVES"));	ONEE"), is entitled to, and e and interest in the INVI and patents derived the	ENTION and the APPLICATION erefrom, such as continuing
ASSIGNOR hereby	authorizes, and requ	uests, ASSIGNEE'S LEGAL
REPRESENTATIVES to insert the	•	•
following table for any APPLICA Application No.	Filing Date	Office
, ppn addi nor	Thing Date	

Page 1 of 2

MS Docket No.: 324747.06

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 in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES):

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/now Dure	5/8/13
Inventor's Signature	Date
HRVOJE BENKO	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: <u>324747.06</u>

PATENT ASSIGNMENT MS Docket No.: 324747.06

I <u>Meredith J. Morris</u> ("A	SSIGNOR") am the origina	l inventor or an original joint			
inventor of subject matter ("INVENTION") disclosed	and/or claimed in a patent			
application entitled "Using Phys		•			
("APPLICATION"), which:					
(/ li l'Ele/(l'oly), willell.					
ASSIGNEE'S legal of Department, Micro Washington 9805 here in parenth Application No. <u>1</u> 2	ASSIGNOR hereby auth representatives, of the Law osoft Corporation, One Mi 2 (ASSIGNEE'S LEGAL REPR eses (filed on March 27, 3/851,797 by the following the following Confice)	v and Corporate Affairs crosoft Way, Redmond, ESENTATIVES), to insert 2013 and given wing Office <u>US – United</u>			
	lling date, and Office, whe				
Application No., ii	ining date, and Office, whe	n known,			
	was filed on and was given Application No by the following Office				
	"				
Microsoft Corporation, a successors and assigns ("ASSIC entire and exclusive rights, titl (and all other applications a applications, in and for the U ("APPLICATION DERIVATIVES"));	GNEE"), is entitled to, and le and interest in the INV and patents derived the	ENTION and the APPLICATION refrom, such as continuing			
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following table for any APPLICA	TION DERIVATIVES after th	- nev are known:			
Application No.	Filing Date	Office			
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Page 1 of 2

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12-	3/20/2013
Inventor's Signature	Date
MEREDITH J. MORRIS	
Printed Name in English	Printed Name in Native Language
	(if other than English)

Page 2 of 2

RECORDED: 11/22/2016

MS Docket No.: <u>324747.06</u>