#### 502432813 07/25/2013

#### PATENT ASSIGNMENT

## Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Ripin Natani	07/16/2013
Eliezer Payzer	07/17/2013
Brian Joseph Ewanchuk	07/17/2013
John Thomas Kimbell	07/16/2013
Brent Campbell	07/11/2013
Paul Heidelman	07/17/2013
Philip J. Nachreiner	07/17/2013
Luis Delgado de Mendoza Garcia	07/18/2013
Alexander Gurzhi	07/12/2013
Yuriy Tarasov	07/12/2013

#### **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:	13949077

#### **CORRESPONDENCE DATA**

Fax Number: 4259367329

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 425-707-9382

Email: vffiling@microsoft.com

Correspondent Name: Assal Meftahi Address Line 1: One Microsoft Way

**PATENT** REEL: 030871 FRAME: 0443

Address Line 2: Patent Group Docketing Dept Address Line 4: Redmond, WASHINGTON 98052		
ATTORNEY DOCKET NUMBER: 339183.01		
NAME OF SUBMITTER:	Deepsha Jain	
Signature:	/Deepsha Jain/	
Date:	07/25/2013	
Total Attachments: 20 source=339183-01-Executed-Assignment#page1.tif source=339183-01-Executed-Assignment#page2.tif source=339183-01-Executed-Assignment#page3.tif source=339183-01-Executed-Assignment#page5.tif source=339183-01-Executed-Assignment#page6.tif source=339183-01-Executed-Assignment#page7.tif source=339183-01-Executed-Assignment#page8.tif source=339183-01-Executed-Assignment#page9.tif source=339183-01-Executed-Assignment#page10.tif source=339183-01-Executed-Assignment#page11.tif source=339183-01-Executed-Assignment#page12.tif source=339183-01-Executed-Assignment#page12.tif source=339183-01-Executed-Assignment#page15.tif source=339183-01-Executed-Assignment#page16.tif source=339183-01-Executed-Assignment#page16.tif source=339183-01-Executed-Assignment#page17.tif source=339183-01-Executed-Assignment#page18.tif source=339183-01-Executed-Assignment#page18.tif source=339183-01-Executed-Assignment#page18.tif source=339183-01-Executed-Assignment#page18.tif source=339183-01-Executed-Assignment#page18.tif		

PATENT REEL: 030871 FRAME: 0444

	PATENT	ASSIGNMENT	MS Docket No.: 339183.01
of subject r	natter ("INVENTIO	N") disclosed and/or cla	or or an original joint inventor imed in a patent application VIRONMENT" ("APPLICATION").
	ASSIGNEE'S legal Department, Micr Washington 9805 here in parenth Application No. USPTO	ASSIGNOR hereby authorepresentatives, of the Law osoft Corporation, One M 2 (ASSIGNEE'S LEGAL REPRESES (filed on	w and Corporate Affairs icrosoft Way, Redmond, ESENTATIVES), to insert and given the following Office his APPLICATION's
		and was given by the following Office	Application No
successors a entire and e (and all oth applications,	nd assigns ("ASSIO xclusive rights, tit ner applications	GNEE"), is entitled to, and le and interest in the INV and patents derived the	n, on behalf of itself and its is desirous of acquiring, the ENTION and the APPLICATION erefrom, such as continuing ies, and all foreign countries
REPRESENTA'	TIVES to insert t		uests, ASSIGNEE'S LEGAL g date, and Office into the ney are known:
Application N		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 in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

Ripin. M. Nodani	7/16/2013
Inventor's Signature	Date
Ripin Natani	***
Printed Name in English	Printed Name in Native Language
	(if other than English)

	•	=	inventor or an original join
	<del>-</del>		and/or claimed in a paten ERTAINMENT ENVIRONMENT
("APPLICATIO		PELING DEVICES IN LIVE	ENTAIMMENT ENVIRONMENT
_	will be filed.  ASSIGNEE'S legal of the control of	ASSIGNOR hereby authorepresentatives, of the Lavosoft Corporation, One Mice (ASSIGNEE'S LEGAL REPRESES (filed on 13/949077 DESPITE OF LINE (1997) DESPITE OF LIN	v and Corporate Affairs crosoft Way, Redmond, ESENTATIVES), to insert and given by the following this APPLICATION's
	No	and was given . by the following Office ";	• •
successors a entire and ex (and all oth applications,	nd assigns ("ASSIO xclusive rights, titl ner applications a	GNEE"), is entitled to, and le and interest in the INVI and patents derived the	n, on behalf of itself and its is desirous of acquiring, the ENTION and the APPLICATION refrom, such as continuing es, and all foreign countries
ASSIGI	NOR hereby	authorizes, and requ	uests, ASSIGNEE'S LEGAI
REPRESENTA <sup>-</sup>	TIVES to insert tl	ne Application No., filing	g date, and Office into the
following tab	le for any APPLICA	TION DERIVATIVES after th	ney are known;
Application N	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 in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

Inventor & Signatuke	7/17/2013 Date
Eliezer Payzer	
Printed Name in English	Printed Name in Native Language
	(if other than English)

joint inventor of subject application entitled "CO ("APPLICATION"), which:    Will be file ASSIGNEE'S     Department, Washington here in pa Application		disclosed and/o IN ENTERTAIN by authorizes, f the Law and C , One Microsoft GAL REPRESENTA  23-JUL-2013  by the fo	or claimed in a patent MENT ENVIRONMENT' and requests, Corporate Affairs Way, Redmond, ATIVES), to insert and given ollowing Office APPLICATION's
65	s, title and interest in	Office rporation, on b to, and is des the INVENTION	pehalf of itself and its irous of acquiring, the I and the APPLICATION
applications, in and for ("APPLICATION DERIVATIV	the United States, its		•
ASSIGNOR hereb	by authorizes, and	d requests,	ASSIGNEE'S LEGAL
REPRESENTATIVES to ins	ert the Application N	lo., filing date	, and Office into the
following table for any AP	PLICATION DERIVATIVE	S after they are	known;
Application No.	Filing Date	Office	
		7	

Page 1 of 2

PATENT REEL: 030871 FRAME: 0449

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);

500	7/17/2013
Inventor's Signature	Date
Brian Joseph Ewanchuk	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I John Thomas Kimbell ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "CONTROLLING DEVICES IN ENTERTAINMENT ENVIRONMENT" ("APPLICATION"), which: will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert 23-JUL-2013 here in parentheses (filed on and given 13/949077 Application No. by the following Office **USPTO** this APPLICATION'S Application No., filing date, and Office, when known; was filed on \_\_\_\_\_ and was given Application No \_\_\_\_\_ by the following Office Microsoft Corporation, a Washington Corporation, 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 in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, 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

Page 1 of 2

MS Docket No.: 339183.01

MS Docket No.: 339183.01

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);

A Nice	7-16-13
Inventor's Signature	Date
John Thomas Kimbell	
Printed Name in English	Printed Name in Native Language
	(if other than English)

inventor of subject matter application entitled "CONTRO" ("APPLICATION"), which:    Will be filed.   ASSIGNEE'S legal     Department, Micro     Washington 9805     here in parenth     Application No. USI	"INVENTION") disclosed  OLLING DEVICES IN ENT  ASSIGNOR hereby authorized and the law cosoft Corporation, One Michael Cosoft Corporation and the law cosoft	orizes, and requests, vand Corporate Affairs crosoft Way, Redmond, ESENTATIVES), to insert and given the following Office his APPLICATION's
	and was given by the following Office ";	Application No
Microsoft Corporation, successors and assigns ("ASSI entire and exclusive rights, tit (and all other applications applications, in and for the ("APPLICATION DERIVATIVES"));	GNEE"), is entitled to, and le and interest in the INV and patents derived the United States, its territori	ENTION and the APPLICATION refrom, such as continuing
•	authorizes, and requ	·
REPRESENTATIVES to insert t following table for any APPLICA		
Application No.	Filing Date	Office

Page 1 of 2

MS Docket No.: 339183.01

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):

21-Captell	7-11-2013
Inventor's Signature	Date
Brent Campbell	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I Paul Heidelman ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "CONTROLLING DEVICES IN ENTERTAINMENT ENVIRONMENT" ("APPLICATION"), which: will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert 23-JUL-2013 here in parentheses (filed on and given 13/949077 No. Application by the following Office **USPTO** this APPLICATION's Application No., filing date, and Office, when known; was filed on \_\_\_\_\_ and was given Application No \_\_\_\_\_ by the following Office Microsoft Corporation, a Washington Corporation, 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 in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, 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

Page 1 of 2

PATENT REEL: 030871 FRAME: 0455

MS Docket No.: 339183.01

MS Docket No.: 339183.01

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);

Inventor's Signature	7-17-2013 Date
Paul Heidelman	
Printed Name in English	Printed Name in Native Language
	(if other than English)

inventor of	subject matter ("	INVENTION") disclose	ginal inventor or an original joint d and/or claimed in a patent ENTERTAINMENT ENVIRONMENT"
("APPLICATIO			
•		ASSICNOR hereby a	uthorizes, and requests,
K73	ASSIGNEE'S legal r Department, Micro Washington 98052 here in parenthe Application No. USPTO	epresentatives, of the soft Corporation, One (ASSIGNEE'S LEGAL R	Law and Corporate Affairs  Microsoft Way, Redmond, EPRESENTATIVES), to insert  23-JUL-2013 and given  y the following Office this APPLICATION's
	was filed on	and was giv	ven Application No
*****		by the following Office	
	85		
	***************************************		
successors a entire and e (and all oti applications,	and assigns ("ASSIC xclusive rights, titl her applications a	iNEE"), is entitled to, e e and interest in the and patents derived	ation, on behalf of itself and its and the APPLICATION therefrom, such as continuing itories, and all foreign countries
ASSIC	NOR hereby	authorizes, and	requests, ASSIGNEE'S LEGAL
REPRESENTA	TiVES to insert the	ne Application No.,	filing date, and Office into the
following tal	ole for any APPLICA	TION DERIVATIVES after	er they are known;
Application		Filing Date	Office
***************************************			
	***************************************		

Page 1 of 2

MS Docket No.: 339183.01

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).

200, 9/2al	7/17/2013
Inventor's Signature	Date
Philip J. Nachreiner	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: 339183.01

I <u>Luis Delgado de Mendoza Garcia</u> ("ASSIGNOR") am the original inventor or ar original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "CONTROLLING DEVICES IN ENTERTAINMENT ENVIRONMENT" ("APPLICATION"), which:    will be filed. ASSIGNOR hereby authorizes, and requests,   ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, One Microsoft Way, Redmond,   Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on
was filed on and was given Application No
by the following Office "";
Microsoft Corporation, a Washington Corporation, 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 in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, 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

MS Docket No.: 339183.01

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);

<u> </u>	
Gaventor's Signature	<u>07/18/2013</u> Date
Luis Delgado de Mendoza Garcia	
Printed Name in English	Printed Name in Native Language
	(if other than English)

inventor of application ("APPLICATIO	subject matter ( entitled "CONTRO N"), which:	"INVENTION") disclosed	Il inventor or an original joint and/or claimed in a patent FERTAINMENT ENVIRONMENT"
	ASSIGNEE'S legal Department, Micr	representatives, of the La osoft Corporation, One M 2 (ASSIGNEE'S LEGAL REPI	w and Corporate Affairs licrosoft Way, Redmond,
	here in parenth Application No.	eses (filed on 23-JU 13/949077 by	the following Office
		iling date, and Office, who	
	was filed on	and was given	Application No
	ъ	by the following Office	
successors a entire and ex (and all oth applications,	nd assigns ("ASSIO colusive rights, tit ner applications of	GNEE"), is entitled to, and le and interest in the INV and patents derived the	in, on behalf of itself and its dis desirous of acquiring, the ENTION and the APPLICATION erefrom, such as continuing ies, and all foreign countries
			uests, ASSIGNEE'S LEGAL ig date, and Office into the
		TION DERIVATIVES after t	
Application N	lo.	Filing Date	Office
			•
<u> </u>			

Page 1 of 2

MS Docket No.: 339183.01

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);

Max Consisti	7/12/2013	
Inventor's Signature	Date	
Alexander Gurzhi		
Printed Name in English	Printed Name in Native Language	
	(if other than English)	

inventor of application e ("APPLICATIOI	subject matter ( entitled "CONTRO N"), which: will be filed. ASSIGNEE'S legal Department, Micr Washington 9805 here in parenth Application No.	"INVENTION") discident of the control of the contro	authorizes, he Law and Cone Microsoft REPRESENTA 23-JUL-2013 by the fo	orporate Affairs Way, Redmond, TIVES), to insert and given Ilowing Office APPLICATION's	4
		and was by the following Off ";		tion No	
successors ar entire and ex (and all other applications,	nd assigns ("ASSIC clusive rights, titl er applications i	SNEE"), is entitled to le and interest in th and patents derive	o, and is desi le INVENTION d therefrom,	ehalf of itself and its rous of acquiring, the and the APPLICATION such as continuing all foreign countries	3
REPRESENTAT	IVES to insert t		, filing date,	ASSIGNEE'S LEGAL and Office into the	
Application N	· ·	Filing Date	Office	<u> </u>	
		,	<b>}</b>	5	

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

1/2000	7/12/2013
Inventor's Signature	Date
Yuriy Tarasov	
Printed Name in English	Printed Name in Native Language
	(if other than English)