PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2920652

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NICOLAS VILLAR	06/27/2014
HAIYAN ZHANG	06/24/2014
ALEXANDRA KEELEY BUNTING	06/26/2014
JAMES WILLIAM SCOTT	06/25/2014

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:	14320399

CORRESPONDENCE DATA

Fax Number:

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: mkey@zetelaw.com

Correspondent Name: MICROSOFT CORPORATION

Address Line 1: ONE MICROSOFT WAY

Address Line 4: REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	341639.01
NAME OF SUBMITTER:	MACLANE C. KEY
SIGNATURE:	/MacLane C. Key/
DATE SIGNED:	06/30/2014

Total Attachments: 8

source=341639_01_Assignment_BUNTING#page1.tif source=341639_01_Assignment_BUNTING#page2.tif source=341639_01_Assignment_SCOTT#page1.tif

PATENT 502874055 REEL: 033216 FRAME: 0130

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source=341639_01_Assignment_ZHANG#page1.tif
source=341639_01_Assignment_ZHANG#page2.tif

PATENT REEL: 033216 FRAME: 0131

PATENT ASSIGNMENT

I Alexandra Keeley BUNTING ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "CONTROLLING PHYSICAL TOYS USING A PHYSICS ENGINE" ("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 6/30/14and given 14/320,399 No. Application by the following Office USPTO 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, 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

MS Docket No.: 341639.01

PATENT ASSIGNMENT

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).

a. K. Burting	26/06/2014
Inventor's Signature	Date
Alexandra Keeley BUNTING	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: <u>341639.01</u>

l <u>James William SCOTT</u> ("	ASSIGNOR") am the origin	al inventor or an original joint
inventor of subject matter ('INVENTION") disclosed	and/or claimed in a patent
application entitled "CONTRO	LLING PHYSICAL TOYS	USING A PHYSICS ENGINE"
("APPLICATION"), which:		
	ASSIGNOR hereby auth	
•	epresentatives, of the Lav	
•	osoft Corporation, One Mi	• • • • • • • • • • • • • • • • • • • •
	2 (ASSIGNEE'S LEGAL REPR	
	eses (filed on <u>6/30/14</u>	
- · ·	o. <u>14/320,399</u>	-
Office <u>USPTO</u>) this APPLICATION's		
Application No., fi	ling date, and Office, whe	n known;
was filed on	and was given .	Application
No	by the following Office	
	", ",	
Microsoft Corporation, a	Washington Corporation	n, on behalf of itself and its
successors and assigns ("ASSIC	INEE"), is entitled to, and	is desirous of acquiring, the
entire and exclusive rights, tit	le and interest, including	the right of priority, in the
INVENTION and the APPLICAT	ION (and all other appl	ications 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 requ	iests, ASSIGNEE'S LEGAL
REPRESENTATIVES to insert the	ne Application No., filing	g 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 ASSIGNMENT

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"));

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SSA	25 June 2014	
Inventor's Signature	Date	
James William SCOTT		
Printed Name in English	Printed Name in Native Language	
	(if other than English)	

MS Docket No.: 341639.01

I <u>Nicolas VILLAR</u> ("ASSIII inventor of subject matter (application entitled " <u>CONTRO</u> ("APPLICATION"), which:	"INVENTION") disclosed	•
ASSIGNEE'S legal Department, Micro Washington 9805 here in parenth Application No Office <u>USPT</u>	ASSIGNOR hereby auth representatives, of the Lavosoft Corporation, One Mi (2) (ASSIGNEE'S LEGAL REPRESES (filed on 6/30/14 to 14/320,399 to 14	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 and assigns ("ASSIC entire and exclusive rights, til INVENTION and the APPLICAT therefrom, such as continuing States, its territories, and all for	GNEE"), is entitled to, and tle and interest, including TON (and all other appl applications, in whole or	the right of priority, in the ications and patents derived in part, in and for the United TON DERIVATIVES"));
REPRESENTATIVES to insert the following table for any APPLICA		
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"));

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Nakil	27/06/2014	
Inventor's Signature	Date	
Nicolas VILLAR		
Printed Name in English	Printed Name in Native Language	
	(if other than English)	

l Haiyan ZHANG ("ASSI	GNOR") am the original	inventor or an original join
inventor of subject matter (· · · · · · · · · · · · · · · · · · ·	<u> </u>
application entitled "CONTRO		•
("APPLICATION"), which:	<u> </u>	JUNE / TIME CONTROL
oxtimes will be filed.	ASSIGNOR hereby auth	orizes, and requests,
ASSIGNEE'S legal	representatives, of the Lav	v and Corporate Affairs
Department, Micro	osoft Corporation, One Mi	crosoft Way, Redmond,
Washington 9805	2 (ASSIGNEE'S LEGAL REPR	ESENTATIVES), to insert
here in parenth	eses (filed on <u>6/30/14</u>	and given
	o. <u>14/320,399</u>	
	ling date, and Office, whe	
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was filed on	and was given	Application
No	by the following Office	2
и 	55.	
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Haup Zon	24/06/2014
Inventor's Signature	Date
Haiyan ZHANG	
Printed Name in English	Printed Name in Native Language
	(if other than English)

Page 2 of 2

RECORDED: 06/30/2014