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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3960498

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PATRICE Y. SIMARD	11/05/2013
DAVID G. GRANGIER	11/01/2013
SALEEMA A. AMERSHI	11/05/2013
DAVID MAX CHICKERING	11/06/2013
APARNA LAKSHMIRATAN	11/04/2013

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:	15209163

CORRESPONDENCE DATA

Fax Number: (816)421-5547

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: 816-474-6550 Email: rebrown@shb.com

SHOOK, HARDY & BACON L.L.P. **Correspondent Name:**

Address Line 1: 2550 GRAND BLVD.

INTELLECTUAL PROPERTY DEPARTMENT Address Line 2:

Address Line 4: KANSAS CITY, MISSOURI 64108

ATTORNEY DOCKET NUMBER:	339572.06/MFCP.258245
NAME OF SUBMITTER:	MOLLIE M. SMITH
SIGNATURE:	/MOLLIE M. SMITH/
DATE SIGNED:	07/13/2016

Total Attachments: 10

PATENT REEL: 039149 FRAME: 0519

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PATENT REEL: 039149 FRAME: 0520

inventor of subject matter ("II	NVENTION") disclose ACTIVE FEATURING	e original inventor or an original joint ed and/or claimed in a nonprovisional IN COMPUTER-HUMAN INTERACTIVE
ASSIGNEE'S legal Grand Blvd., Kacustomer number here in parenthere in parenthere in parenthere in parenthere in parenthere in parenthere in parenthere. Trademark Office, when known office, when known was filed to be a secretary of the continuous applications, in and for the continuous applications applications applications, in and for the continuous applications ap	I representatives, or ansas City, Missou er 45809 (ASSIGNEE eses (filed on by the following the following a Washington Corlignee"), is entitled the and interest in the and patents derivatived States, its fauthorizes, and the Application Notice and the Applic	hereby authorizes, and requests, f Shook, Hardy & Bacon L.L.P., 2555 ri 64108, who are associated with 'S LEGAL REPRESENTATIVES), to insert and given Application of Office (US - United States Patent and N's Application No., filing date, and and was given Application g Office; poration, on behalf of itself and its to, and is desirous of acquiring, the the INVENTION and the APPLICATION red therefrom, such as continuing territories, and all foreign countries requests, ASSIGNEE'S LEGAL or, filing date, and Office into the
following table for any APPLIC		after they are known;
Application No.	Filing Date	Office
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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);

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).

Panny	11/5/2013
PATRICE Y. SIMARD	Date
PATRICE Y SIMARO	
Printed Name in English	Printed Name in Native Language (if other than English)

REEL: 039149 FRAME: 0522

joint inventor of subject n	natter ("INVENTION") dis tion entitled "ACTIVE FEA"	original inventor or an original closed and/or claimed in a TURING IN COMPUTER-HUMAN
ASSIGNEE'S legal Grand Blvd., Ka customer numbe here in parenthe No. $\frac{14/075,708}{1}$	representatives, of Shoonsas City, Missouri 641 or 45809 (ASSIGNEE'S LEGASES (Filed on 11/08/2013 or this APPLICATION's Ap	y authorizes, and requests, k, Hardy & Bacon L.L.P., 2555 08, who are associated with AL REPRESENTATIVES), to insert and given Application (US – United States Patent and plication No., filing date, and
was filed		and was given Application
successors and assigns ("ASSIGE entire and exclusive rights, tit (and all other applications applications, in and for the U"APPLICATION DERIVATIVES"));	GNEE"), is entitled to, and le and interest in the INV and patents derived the Jnited States, its territor authorizes, and required Application No., filin	ENTION and the APPLICATION erefrom, such as continuing ies, and all foreign countries uests, ASSIGNEE'S LEGAL g date, and Office into the
Application No.	Filing Date	Office

Page 1 of 2

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	7 11/6/20 B
DAVID MAX CHICKERING	Date
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ASSIGNEE'S legal Grand Blvd., Kal customer numbel here in parenthe No Trademark Office Office, when know No was filed	iled. ASSIGNOR hereb representatives, of Shoo nsas City, Missouri 641 r 45809 (ASSIGNEE'S LEGA ses (filed on by the following Office e) this APPLICATION's Ap wn; on by the following Offic a Washington Corporatio GNEE"), is entitled to, and le and interest in the INV and patents derived the	ENTION and the APPLICATION erefrom, such as continuing
("APPLICATION DERIVATIVES"));		
ASSIGNOR hereby	authorizes, and req	uests, ASSIGNEE'S LEGAL
REPRESENTATIVES to insert t		•
following table for any APPLICA	TION DERIVATIVES after the	hey 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 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).

	Nov 134 2013
DAVID G. GRANGIER	Date
Pavid G Granniez Printed Name in English	Printed Name in Native Language
rimieu Name in English O	(if other than English)
	(If Other than English)

I, APARNA LAKSHMIRATA joint inventor of subject m nonprovisional patent applicat INTERACTIVE LEARNING" ("APPL	atter ("INVENTION") disc ion entitled "ACTIVE FEAT		
ASSIGNEE'S legal Grand Blvd., Kar customer number here in parenthes No. Trademark Office Office, when know	representatives, of Shook isas City, Missouri 6410 45809 (ASSIGNEE'S LEGA ses (filed on by the following Office) this APPLICATION's App vn;	y authorizes, and requests, c, Hardy & Bacon L.L.P., 2555 08, who are associated with L REPRESENTATIVES), to insert and given Application (US – United States Patent and plication No., filing date, and	
was filed No		and was given Application	
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	
a distribution de la company de la compa	10080-4011-00-101-0-1-0-40-4-1-1-101-01-010111-1-1-1-		

Page 1 of 2

MS Docket No. 339572.02 (OC Docket No. MFCP.189594)

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 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).

Apowa Rakhu Lete	11/4/2013
APARNA LAKSHMIRATAN	Date
APARNA LAKSHMIRATI	t√
Printed Name in English	Printed Name in Native Language (if other than English)

I, SALEEMA A. AMERSHI (inventor of subject matter ("INV patent application entitled "AC LEARNING" ("APPLICATION"), wh	ENTION") disclosed and/ontive FEATURING IN COM	
ASSIGNEE'S legal Grand Blvd., Kan customer number here in parenthes No. Trademark Office Office, when know	representatives, of Shook sas City, Missouri 6410 45809 (ASSIGNEE'S LEGA es (filed on	authorizes, and requests, Hardy & Bacon L.L.P., 2555 R, who are associated with REPRESENTATIVES), to insert and given Application (US - United States Patent and olication No., filing date, and
		nd was given Application
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 INV and patents derived the Inited States, its territorical authorizes, and require Application No., filing	ENTION and the APPLICATION refrom, such as continuing es, and all foreign countries uests, ASSIGNEE'S LEGAL date, and Office into the
Application No.	Filing Date	Office

Page 1 of 2

MS Docket No. 339572.02 (OC Docket No. MFCP.189594)

PATENT ASSIGNMENT

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SALEEMA A. AMERSHI	\\/5/2013 Date	
Saleema Amershi		
Printed Name in English	Printed Name in Native Language (if other than English)	

Page 2 of 2

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RECORDED: 07/13/2016

PATENT REEL: 039149 FRAME: 0530