

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT4327141

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ROBERT NORMAN HEITKAMP	03/14/2017
STEVEN WILSSENS	03/20/2017
PHILIP ANDREW EDRY	03/15/2017
PAUL J. RADEK	03/14/2017
IBRAHIM ZIYAD	03/14/2017
RECEIVING PARTY DATA	
Name:	MICROSOFT TECHNOLOGY LICENSING, LLC
Street Address:	ONE MICROSOFT WAY
City:	REDMOND
State/Country:	WASHINGTON
Postal Code:	98052
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15460163
CORRESPONDENCE DATA	
Fax Number:	
<i>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.</i>	
Phone:	888-785-1482
Email:	usdoCKET@microsoft.com
Correspondent Name:	NEWPORT IP, LLC
Address Line 1:	1400 112TH AVE SE
Address Line 2:	SUITE 100
Address Line 4:	BELLEVUE, WASHINGTON 98004
ATTORNEY DOCKET NUMBER:	MS1-9041US
NAME OF SUBMITTER:	NOEMI TOVAR
SIGNATURE:	/NOEMI TOVAR/
DATE SIGNED:	03/20/2017
Total Attachments: 10	

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PATENT ASSIGNMENT

MS Docket No.: 400683-US-NP
Attorney Docket No.: MS1-9041US

I **Robert Norman Heitkamp** ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "APPLICATION PROGRAMING INTERFACE FOR ADAPTIVE AUDIO RENDERING" ("APPLICATION"), which:

will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representative, Microsoft Technology Licensing, LLC., One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on March 15, 2017 and given Application No. 15/460,163 by the following Office "US - United States Patent and Trademark Office"; this APPLICATION's Application No., filing date, and Office, when known;

was filed on _____ and was given Application No. _____ by the following Office "US - United States Patent and Trademark Office";

Microsoft Technology Licensing, LLC, a Washington limited liability company, 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

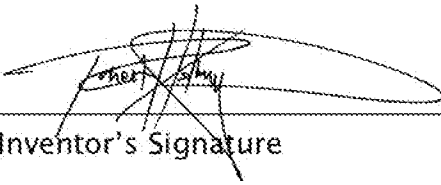
PATENT ASSIGNMENT

MS Docket No.: 400683-US-NP

Attorney Docket No.: MS1-9041US

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).

	14 March 2017
_____ Inventor's Signature	_____ Date
Robert Norman Heitkamp _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

MS Docket No : 400683-US-NP
Attorney Docket No : MS1-9041US

I Steven Wilssens ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "APPLICATION PROGRAMING INTERFACE FOR ADAPTIVE AUDIO RENDERING" ("APPLICATION"), which:

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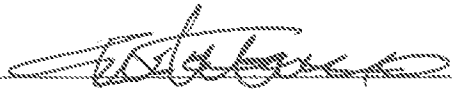
Application No.	Filing Date	Office

PATENT ASSIGNMENT

MS Docket No.: 400683-US-IP
Attorney Docket No.: MS1-9041US

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	<u>3/29/17</u>
Inventor's Signature	Date
<u>Steven Wilssens</u>	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

MS Docket No. 400583-US-NP
Attorney Docket No. MS1-9041US

I Phillip Andrew Edry ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "APPLICATION PROGRAMING INTERFACE FOR ADAPTIVE AUDIO RENDERING" ("APPLICATION"), which:

will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representative, Microsoft Technology Licensing, LLC., One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on March 15, 2017 and given Application No. 15/460,163 by the following Office "US - United States Patent and Trademark Office"; this APPLICATION's Application No., filing date, and Office, when known;

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Application No.	Filing Date	Office

PATENT ASSIGNMENT

MS Docket No. 409583-US-NP
Attorney Docket No. MS1-9041US

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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 Inventor's Signature	3/15/2017 Date
Philip Andrew Edry Printed Name in English	 Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

MS Docket No.: 400683-US-NP

Attorney Docket No.: MS1-9041US

I Paul J. Radek ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "APPLICATION PROGRAMING INTERFACE FOR ADAPTIVE AUDIO RENDERING" ("APPLICATION"), which:

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Application No.	Filing Date	Office


PATENT ASSIGNMENT

MS Docket No.: 400663-US-NP

Attorney Docket No.: MS1-9041US

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 _____ Inventor's Signature	<u>Mar 14, 2017</u> _____ Date
Paul J. Radek _____ Printed Name in English	PAUL J RADEK _____ Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

MS Docket No.: 400683-US-NP

Attorney Docket No.: MSI-9041US

I Ibrahim Ziyad ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "APPLICATION PROGRAMING INTERFACE FOR ADAPTIVE AUDIO RENDERING" ("APPLICATION"), which:

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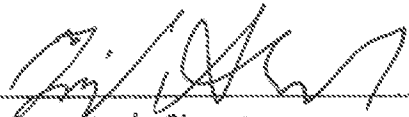
PATENT ASSIGNMENT

MS Docket No.: 400683-US-NP

Attorney Docket No.: MS1-90411/S

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 _____ Inventor's Signature	<u>3/14/2017</u> _____ Date
<u>Ibrahim Ziyad</u> _____ Printed Name in English	<u>إبراهيم زياد</u> _____ Printed Name in Native Language (if other than English)