PATENT ASSIGNMENT COVER SHEET

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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:

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.

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Correspondent Name: NEWPORT IP, LLC
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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

PATENT REEL: 041648 FRAME: 0398

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PATENT REEL: 041648 FRAME: 0399

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

i <u>Robert Norman Heitkar</u>	np ("ASSIGNOR") am the c	original inventor or an original
joint inventor of subject matte	er ("INVENTION") disclose	d and/or claimed in a patent
application entitled "APPLICAT	TON PROGRAMING INTER	RFACE FOR ADAPTIVE AUDIO
RENDERING " ("APPLICATION"), \	which:	
oxtimes will be filed.	ASSIGNOR hereby auth	orizes, and requests,
ASSIGNEE'S legal	representative, Microsoft	Technology Licensing,
LLC., One Mic	rosoft Way, Redmond,	Washington 98052
(ASSIGNEE'S LEC	AL REPRESENTATIVES),	to insert here in
parentheses (filed	on March 15, 2017	and given Application
	by the following Offi	
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was filed on	and was g	iven Application
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behalf of itself and its succes		• • • •
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following table for any APPLICA		
Application No.	Filing Date	Office

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).

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

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

inventor of subject matter	("INVENTION") disclosed ATION PROGRAMING INTE	inventor or an original joint and/or claimed in a patent RFACE FOR ADAPTIVE AUDIO
ASSIGNEE'S leg LLC., One M (ASSIGNEE'S L parentheses (fi No <u>Patent and Tra</u>	ASSIGNOR hereby autional representative, Microsof Sicrosoft Way, Redmond EGAL REPRESENTATIVES), led on by the following Off Jemark Office": this APPLICA Office, when known;	t Technology Licensing, , Washington 98052 to insert here in and given Application ice <u>"US – United States</u>
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behalf of itself and its suc desirous of acquiring, the en right of priority, in the INVEN patents derived therefrom, s	cessors and assigns ("ASS ntire and exclusive rights, t ITION and the APPLICATION uch as continuing application	on limited liability company, on IGNEE"), is entitled to, and is itle and interest, including the (and all other applications and ons, in whole or in part, in and lign countries ("APPLICATION
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MS_Docket No.: 409683-US-NP Attorney Docket No.: MS1-9641US

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).

inventor's Signature	
Steven Wilssens	
Printed Name in English	Printed Name in Native Language
	(if other than English)

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

inventor of subject mat	ter ("INVENTION") disc LICATION PROGRAMING	onginal inventor or an original joint closed and/or claimed in a patent <u>CINTERFACE FOR ADAPTIVE AUDIO</u>
ASSIGNEE'S I LLC., One (ASSIGNEE'S parentheses No. <u>15/460.10</u> <u>Patent and T</u>	egal representative, M Microsoft Way, Re LEGAL REPRESENTA (filed on <u>March 15, 2011</u> 53 by the followi	y authorizes, and requests, icrosoft Technology Licensing, dmond, Washington 98052 TIVES), to insert here in and given Application ng Office "US – United States APPLICATION's Application No.,
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	and Trademark Office"	
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Inventor's Signature Date

Philip Andrew Edry

Printed Name in English Printed Name In Native Language

(if other than English)

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

		original inventor or an o	
		ed and/or claimed in a	
		ERFACE FOR ADAPTIVE /	<u> AUDIO RENDERING "</u>
("APPLICATION"),	wnich:		
ASSI LLC. (ASS pare No. <u>Pate</u>	GNEE'S legal representa , One Microsoft Wa IGNEE'S LEGAL REPRI ntheses (filed on <u>Marc</u> 15/460,163 by the	hereby authorizes, a tive, Microsoft Technolo by, Redmond, Washin ESENTATIVES), to insect the following Office "US - "; this APPLICATION's Ap known:	gy Licensing, gton 98052 art here in n Application <u>United States</u>
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Inventor's Signature

Paul J. Radek

Printed Name in English

Mr. 14, 2017

Date

PAUL J RADEK

Printed Name in Native Language

(if other than English)

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

I <u>Ibrahim Ziyad</u> ("A	ASSIGNOR") am the or	iginal inventor or an original jo	oint
inventor of subject matt	er ("INVENTION") disc	losed and/or claimed in a pat	ent
application entitled "APPL	<u>ICATION PROGRAMINO</u>	<u> INTERFACE FOR ADAPTIVE AUI</u>	<u>DIO</u>
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Inventor's Signature

Ibrahim Ziyad

Printed Name in English

Date

Printed Name in Native Language

(if other than English)