

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT4412396

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
PHILIP ANDREW EDRY	05/08/2017
TODD RYUN MANION	05/08/2017
ROBERT NORMAN HEITKAMP	05/04/2017
STEVEN MARCEL ELZA WILSSENS	05/08/2017
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:	15594328
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<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>	
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Email:	usdocket@microsoft.com
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Address Line 4:	BELLEVUE, WASHINGTON 98004
ATTORNEY DOCKET NUMBER:	MS1-9035US
NAME OF SUBMITTER:	NOEMI TOVAR
SIGNATURE:	/NOEMI TOVAR/
DATE SIGNED:	05/12/2017
Total Attachments: 8	
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PATENT ASSIGNMENT

Client Docket No.: 40065-US-NP
Attorney Docket No.: MSI-9035US

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 "SPATIALIZING AUDIO DATA BASED ON ANALYSIS OF INCOMING AUDIO DATA" ("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 May 12, 2017 and given Application No. 15594328 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;

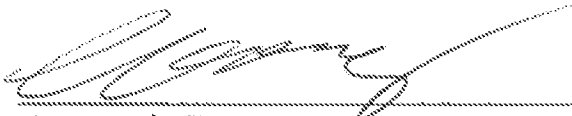
Application No.	Filing Date	Office

PATENT ASSIGNMENT

Client Docket No.: 40065-US-NP
Attorney Docket No.: MSI-90350/S

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	<u>5/8/2017</u> Date
<u>Philip Andrew EDRY</u> Printed Name in English	 Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

Client Docket No.: 40065-US-NP
Attorney Docket No.: MS1-9035US

I Todd Ryun MANION ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "SPATIALIZING AUDIO DATA BASED ON ANALYSIS OF INCOMING AUDIO DATA" ("APPLICATION"), which:

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Attorney Docket No.: MS1-9035US

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	<u>5/8/2017</u>
Inventor's Signature	Date
Todd Ryun MANION	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

Client Docket No.: 40065-US-NP
Attorney Docket No.: MS1-9035US

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 "**SPATIALIZING AUDIO DATA BASED ON ANALYSIS OF INCOMING AUDIO DATA**" ("APPLICATION"), which:

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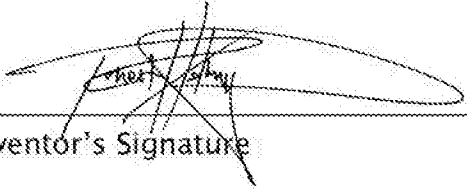
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 _____ Inventor's Signature	4 May 2017 _____ Date
Robert Norman HEITKAMP _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

Client Docket No.: 40065-US-NP
Attorney Docket No.: MSI-9035US

I Steven Marcel Elza WILSSENS ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "SPATIALIZING AUDIO DATA BASED ON ANALYSIS OF INCOMING AUDIO DATA" ("APPLICATION"), which:

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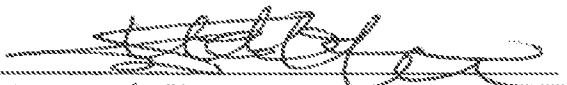
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	<u>5/9/17</u>
Inventor's Signature	Date
<u>Steven Marcel Elza WILSSENS</u>	
Printed Name in English	Printed Name in Native Language (if other than English)