504111439 11/28/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4158109

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JONATHAN HARRIS	11/23/2016
DAVID LU	11/21/2016
HAUKE GENTZKOW	11/23/2016
ALLEN L. USSHER	11/21/2016

RECEIVING PARTY DATA

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State/Country:	WASHINGTON
Postal Code:	98052

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15361741

CORRESPONDENCE DATA

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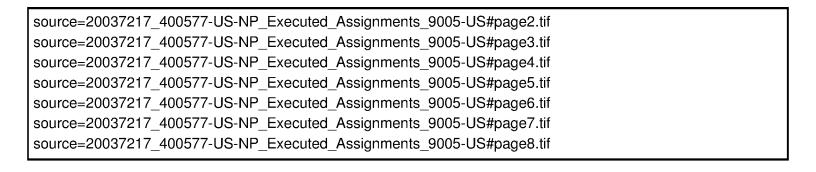
ATTORNEY DOCKET NUMBER:	400577-US-NP (9005-US)
NAME OF SUBMITTER:	DEREK C. STETTNER
SIGNATURE:	/derek c. stettner/
DATE SIGNED:	11/28/2016

Total Attachments: 8

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PATENT REEL: 040425 FRAME: 0744



PATENT REEL: 040425 FRAME: 0745

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

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, 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	11/23/2016 Date
Jonathan Harris	
Printed Name in English	Printed Name in Native Language
	(if other than English)

Page 1 of 2

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	11/21/2016
Inventor's Signature	Date
David Lu	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGN	MENT Docket No	o.: 400577-US-NP (9005-US)
I <u>Hauke Gentzkow</u> joint inventor of subject matte application entitled " <u>AUDIO</u> ("APPLICATION"), which:	er ("INVENTION") disclose	
ASSIGNEE'S legal LLC, One Microsol LEGAL REPRESENT on No. Office	ASSIGNOR hereby authorepresentative, Microsoft Way, Redmond, Washing FATIVES), to insert here and by	Technology Licensing, gton 98052 (ASSIGNEE'S in parentheses (filed given Application the following) this APPLICATION's
	and was given by the following Office *;	
Microsoft Technology Lic behalf of itself and its succes desirous of acquiring, the enti- right of priority, in the INVENTI- patents derived therefrom, suc- for the United States, its to DERIVATIVES"));	ssors and assigns ("ASSII re and exclusive rights, ti ON and the APPLICATION h as continuing applicatio	tle and interest, including the (and all other applications and ins, in whole or in part, in and
ASSIGNOR hereby a REPRESENTATIVES to insert the following table for any APPLICA	ne Application No., filin	
Application No.	Filing Date	Office
1		

Page 1 of 2

Docket No.: 400577-US-NP (9005-US)

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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1.0		
All	whalic	
Inventor's Signature	Date \ \ \	
Hauke Gentzkow		
Printed Name in English	Printed Name in Native Language (if other than English)	

	PATENT ASSIG	NMENT Do	ocket No.: 400577-US-N	P (9005-US)
inventor of	subject matter entitled " <u>AUDI</u>	("INVENTION") disc	e original inventor or an closed and/or claimed FOR AURAL USER	in a patent
	ASSIGNEE'S legal LLC, One Microso LEGAL REPRESEN on No. Office	representative, Mi oft Way, Redmond, V ITATIVES), to inser an	y authorizes, and recorosoft Technology Lice Washington 98052 (ASSIGNATE OF TECHNOLOGY TO THE	insing, GNEE'S (filed Ication lowing
		and was by the following ";		
behalf of its desirous of a right of prior patents deriv for the Uni DERIVATIVES ASSIGN REPRESENTAT	elf and its succe acquiring, the ent ity, in the INVENT ed therefrom, suc ted States, its ")); NOR hereby TIVES to insert t	issors and assigns ire and exclusive rig ION and the APPLIC, th as continuing app territories, and al authorizes, and he Application No	thington limited liability ("ASSIGNEE"), is entitle ghts, title and interest, i ATION (and all other app plications, in whole or in I foreign countries ("/ requests, ASSIGNE -, filling date, and Offi	d to, and is neluding the lications and part, in and APPLICATION
following tab Application N		TION DERIVATIVES Filing Date	after they are known; Office	

Page 1 of 2

PATENT REEL: 040425 FRAME: 0752

Docket No.: 400577-US-NP (9005-US)

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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flor The 11/21/2016

Inventor's Signature

Date

Allen L. Ussher

Printed Name in English

Printed Name in Native Language

(if other than English)