504235198 02/20/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KARSTEN V. SØRENSEN	02/08/2017
KARLHEINZ WURM	02/16/2017

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:	15436969

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ATTORNEY DOCKET NUMBER:	400706-US-NP	
NAME OF SUBMITTER:	CHRISTOPHER J. CULBERSON	
SIGNATURE:	NATURE: /Christopher J. Culberson Reg No. 59136/	
DATE SIGNED:	02/20/2017	

Total Attachments: 4

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PATENT 504235198 REEL: 041299 FRAME: 0552

MS Docket No.: 400706-US-NP

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			I inventor or an original joint
	•		.nd/or claimed in a patent
application 6	entitiea. <u>Audio Signa</u>	al Processing" ("APPLICATION	JN), Wnich:
	ASSIGNEE'S legal (LLC., One Microsof LEGAL REPRESENT on <u>February 20, 2</u> the following O	ASSIGNOR hereby authorepresentative, Microsoft It Way, Redmond, Washing IATIVES), to insert here 1017 and given Application 115 ffice 115 ffice 115 ffing date, authors	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed No. 15/436,969 by this
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	was filed on	and was given A	Application
	No	by the following Office	
	"		
behalf of itse of acquiring priority, in the derived ther	elf and its successors, the entire and exc he INVENTION and t efrom, such as con	s and assigns ("ASSIGNEE") clusive rights, title and in he APPLICATION (and all c tinuing applications, in wh	I limited liability company, on , is entitled to, and is desirous terest, including the right of ther applications and patents nole or in part, in and for the PLICATION DERIVATIVES"));
ASSIG	NOR hereby authori	zes, and requests, ASSIGN	EE'S LEGAL REPRESENTATIVES
	·	•	o the following table for any
APPLICATION	N DERIVATIVES after	they are known;	
Application		Filing Date	Office

MS Docket No.: 400706-US-NP

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).

Karsler V. Poss	Feb 8 th , 2017
Inventor's Signature	Date
Karsten V. Sørensen	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>Karlheinz Wurm</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>Audio Signal Processing</u>" ("APPLICATION"), which:

MS Docket No.: 400706-US-NP

\boxtimes	will be file	d. ASSIGNOR	hereby	authorizes	, and	requests,
	ASSIGNEE'S	legal represental	ive, Micr	osoft Tech	nology l	icensing,
	LLC., One Mi	crosoft Way, Red	mond, Wa	ishington 9	8052 (A	SSIGNEE'S
	LEGAL REPR	ESENTATIVES), t	o insert	here in p	arenthe	ses (filed
	on February	20, 2017and gi	ven Appli	cation No.]	<u> 15/436,</u>	<u>969</u> by
	the following	ng Office	US) this
	APPLICATION	l's Application No	o., filling d	ate, and Of	fice, who	en known;
	was filed on		and was g	iven Applic	ation	
	No	by the f	ollowing	Office		
	18 B-0-3-0					

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.	š	Office

MS Docket No.: 400706-US-NP

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).

2_	16.02.2017
Inventor's Signature	Date
Karlheinz Wurm	
Printed Name in English	Printed Name in Native Language
	(if other than English)