PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 Assignment ID: PATI199460

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Nikolaus Rettelbach	12/06/2023
Bernhard Grill	12/07/2023
Guillaume Fuchs	12/07/2023
Stefan Geyersberger	12/04/2023
Markus Multrus	12/05/2023
Harald Popp	12/12/2023
Juergen Herre	12/11/2023
Stefan Wabnik	01/28/2024
Gerald Schuller	03/04/2024
Jens Hirschfeld	12/18/2023

RECEIVING PARTY DATA

Company Name:	Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.
Street Address:	Hansastrasse 27c
City:	Munich
State/Country:	GERMANY
Postal Code:	80686

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	18522762

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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ATTORNEY DOCKET NUMBER: 110971.8504.US09

PATENT 508521617 REEL: 067261 FRAME: 0610

NAME OF SUBMITTER:	Jessica Pallach	
SIGNATURE:	Jessica Pallach	
DATE SIGNED:	04/29/2024	
	This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 15		
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PATENT REEL: 067261 FRAME: 0611

Title of Invention: AUDIO ENCODER, AUDIO DECODER, METHODS FOR ENCODING AND DECODING AN AUDIO SIGNAL, AUDIO STREAM AND A COMPUTER PROGRAM

As a below named inventor, I hereby declare that:

This declaration is directed to the attached application, or (if following box is checked):

[X] United States application or PCT international application number <u>18/522,762</u> filed on November 29, 2023.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application, including the claims.

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Whereas, the undersigned inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") disclosed in the above-identified patent application and further identified by the Attorney Docket Number provided above in the header of this document;

Whereas, Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V. a corporation duly organized under and pursuant to the laws of Germany, having its principal place of business at Hansastrasse 27c, Munich, Germany, 80686, desires to acquire and each undersigned inventor desires to grant to Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V., the entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto;

Now, therefore, for one dollar (\$1.00) and good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor, hereinafter referred to as ASSIGNOR, hereby sells or has sold, assigns or has assigned, and otherwise transfers or has transferred to Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V., hereinafter referred to as ASSIGNEE, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues. reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to the Assignee, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by the Assignee, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned inventor agrees to execute, without charge to said

Assignee but at the Assignee's expense, any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in Assignee, its successors, legal representatives, and assigns, whenever requested by the Assignee, its successors, legal representatives, or assigns.

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1) Legal Name of Inventor: Nikolaus Rettelbach	
Signature: Wilhey	Date: <u>707 3/17/06</u>
2) Legal Name of Inventor: Bernhard Grill	
Signature:	Date:
3) Legal Name of Inventor: Guillaume Fuchs	
Signature:	Date:
4) Legal Name of Inventor: Stefan Geyersberger	
Signature:	Date:
5) Legal Name of Inventor: Markus Multrus	
Signature:	Date:

Page 2 of 3

6) Legal Name of Inventor: Harald Popp	
Signature: Land Cy	Date: Dec 12,2023
7) Legal Name of Inventor: Juergen Herre	
Signature:	Date:
8) Legal Name of Inventor: Stefan Wabnik	
Signature:	Date:
9) Legal Name of Inventor: Gerald Schuller	
Signature:	Date:
10) Legal Name of Inventor: Jens Hirschfeld	
Signatura	Date

Title of Invention: AUDIO ENCODER, AUDIO DECODER, METHODS FOR ENCODING AND DECODING AN AUDIO SIGNAL, AUDIO STREAM AND A COMPUTER PROGRAM

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1) Legal Name of Inventor: Nikolaus Rettelbach	
Signature:	Date:
2) Legal Name of Inventor: Bernhard Grill Signature:	Date: Dec. 7, 2023
3) Legal Name of Inventor: Guillaume Fuchs	
Signature:	Date:
4) Legal Name of Inventor: Stefan Geyersberger	
Signature:	Date:
5) Legal Name of Inventor: Markus Multrus	
Signature:	Date:

6) Legal Name of Inventor: Harald Popp	
Signature:	Date:
7) Legal Name of Inventor: Juergen Herre Signature:	Date: 11.12.23
8) Legal Name of Inventor: Stefan Wabnik	
Signature:	Date:
9) Legal Name of Inventor: Gerald Schuller	
Signature:	Date:
10) Legal Name of Inventor: Jens Hirschfeld	
Signature:	Date:

Page 3 of 3

Title of Invention: AUDIO ENCODER, AUDIO DECODER, METHODS FOR ENCODING AND DECODING AN AUDIO SIGNAL, AUDIO STREAM AND A COMPUTER PROGRAM

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Signature:	Date:
2) Legal Name of Inventor: Bernhard Grill	
Signature:	Date:
3) Legal Name of Inventor: Guillaume Fuchs	
Signature:	Date: <u>07, 12, 20</u> 2
4) Legal Name of Inventor: Stefan Geyersberger	
Signature:	Date:
5) Legal Name of Inventor: Markus Multrus	
Signature:	Date:

6) Legal Name of Inventor: Haraid Popp	
Signature:	Date:
7) Legal Name of Inventor: Juergen Herre	
Signature:	Date:
8) Legal Name of Inventor: Stefan Wabnik Signature:	Date: 2024-01-25
9) Legal Name of Inventor: Gerald Schuller	
Signature:	Date:
10) Legal Name of Inventor: Jens Hirschfeld	
Signature:	Date:

Title of Invention: AUDIO ENCODER, AUDIO DECODER, METHODS FOR ENCODING AND DECODING AN AUDIO SIGNAL, AUDIO STREAM AND A COMPUTER PROGRAM

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ATTORNEY DOCKET NUMBER: 110971-8504.US09; FH090657PUS

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1) Local Name of Inventor, Nilsolaus Pottalbuch

1) Legal Name of inventor. (vixoraus Retterbach	
Signature:	Date:
2) Legal Name of Inventor: Bernhard Grill	
Signature:	Date;
3) Legal Name of Inventor: Guillaume Fuchs	
Signature:	Date:
4) Legal Name of Inventor: Stefan Geyersberger Signature:	4,2,2,2,2
Signature:	Date: _\`\\\(\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
5) Legal Name of Inventor: Markus Multrus	
Signature:	Date:

6) Legal Name of Inventor: Harald Popp	
Signature:	_ Date:
7) Legal Name of Inventor: Juergen Herre	
Signature:	Date:
8) Legal Name of Inventor: Stefan Wabnik	
Signature:	Date:
9) Legal Name of Inventor: Gerald Schuller Signature:	Date: Muy14-4-2000
10) Legal Name of Inventor: Jens Hirschfeld	
Signature:	Date

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IIS1a - 2008P49516 US06

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10) Legal Name of Inventor: Jens Hirschfeld	
Signature: Lens & la /Schafeld	Date: 18 12. 2023

Page 3 of 3