

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
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CHRISTIAN ERTEL	04/12/2016
RALF GEIGER	04/11/2016
FLORIN GHIDO	04/22/2016
CHRISTIAN HELMRICH	04/12/2016
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16395653
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ATTORNEY DOCKET NUMBER:	110971-9043.US03
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DATE SIGNED:	04/26/2019
Total Attachments: 2	

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ATTORNEY DOCKET NUMBER: 110971-9043.US01

**DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN PATENT APPLICATION
USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT**

Title of Invention: **APPARATUS AND METHOD FOR DECODING OR ENCODING AN AUDIO
SIGNAL USING ENERGY INFORMATION VALUES FOR A RECONSTRUCTION BAND**

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 15/002,361, filed
on January 20, 2016.

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.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information
known to me to be material to patentability as defined in 37 C.F.R. Section 1.56.

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.

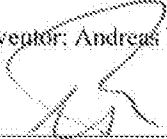
ASSIGNOR(S) grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Each undersigned inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to the Assignee and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned inventor also hereby grants the assignee, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application Number) which may be necessary or desirable for recordation of this Assignment.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

1) Legal Name of Inventor: Andreas NIEDERMEIER

Signature:  Date: 12.4.16

2) Legal Name of Inventor: Christian ERTEL

Signature:  Date: 12.4.16

3) Legal Name of Inventor: Ralf GEIGER

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4) Legal Name of Inventor: Florin GHIDO

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