

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3968996

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SIMONE FUEG	04/11/2016
ACHIM KUNTZ	04/11/2016
MICHAEL KRATSCHEMER	04/11/2016
JUHA VILKAMO	04/26/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.
<b>Street Address:</b>	HANSASTRASSE 27C
<b>City:</b>	MUNICH
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	80686
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15000508
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(206)359-7198
<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>	
<b>Phone:</b>	2063598000
<b>Email:</b>	Erhodes@perkinscoie.com
<b>Correspondent Name:</b>	PERKINS COIE LLP
<b>Address Line 1:</b>	P.O. BOX 1247
<b>Address Line 2:</b>	PATENT PROCUREMENT
<b>Address Line 4:</b>	SEATTLE, WASHINGTON 98111-1247
<b>ATTORNEY DOCKET NUMBER:</b>	110971-9041.US01
<b>NAME OF SUBMITTER:</b>	EMI RHODES
<b>SIGNATURE:</b>	/Emi Rhodes/
<b>DATE SIGNED:</b>	07/19/2016
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 4</b>	

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source=110971-9041US01\_Signed\_Declaration\_Assignment#page4.tif

ATTORNEY DOCKET NUMBER: 110971-9041US01

**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: **REDUCTION OF COMB FILTER ARTIFACTS IN MULTI-CHANNEL  
DOWNMIX WITH ADAPTIVE PHASE ALIGNMENT**

As a below named inventor, I hereby declare that:

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

☒ United States application or PCT international application number 15/000,508 filed  
on January 19, 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: Simone FUEG

Signature: S. Fueg Date: 11.07.16

2) Legal Name of Inventor: Achim KUNTZ

Signature: A. Kuntz Date: 11.06.2016

3) Legal Name of Inventor: Michael KRATSCHMER

Signature: M. Kratschmer Date: 11.06.2016

4) Legal Name of Inventor: Juha VILKAMO

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

ATTORNEY DOCKET NUMBER: 110971-9041.US01

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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

26.4.2016



J. W. K. M.

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: Simone FUEG

Signature: \_\_\_\_\_ Date: \_\_\_\_\_


2) Legal Name of Inventor: Achim KUNTZ

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

3) Legal Name of Inventor: Michael KRATSCHMER

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

4) Legal Name of Inventor: Juha VILKAMO

Signature:  \_\_\_\_\_ Date: 26.4.2016