

## PATENT ASSIGNMENT COVER SHEET

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<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JANINE SUKOWSKI	02/25/2016
GORAN MARKOVIC	02/29/2016
WOLFGANG JAEGER	03/03/2016
CHRISTIAN HELMRICH	02/29/2016
BERND EDLER	02/29/2016
RALF GEIGER	02/22/2016
RALPH SPERSCHNEIDER	02/22/2016
<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>	MUENCHEN
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	80686
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14977207
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(214)200-0853
<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>	720-484-3713
<b>Email:</b>	ipdocketing@haynesboone.com
<b>Correspondent Name:</b>	ROBERT P. ZIEMIAN
<b>Address Line 1:</b>	HAYNES AND BOONE, LLP
<b>Address Line 2:</b>	2323 VICTORY AVENUE, SUITE 700
<b>Address Line 4:</b>	DALLAS, TEXAS 75219
<b>ATTORNEY DOCKET NUMBER:</b>	53523.14US01
<b>NAME OF SUBMITTER:</b>	ROBERT P. ZIEMIAN
<b>SIGNATURE:</b>	/Robert P. Ziemian/

<b>DATE SIGNED:</b>	04/28/2016
<b>Total Attachments: 4</b> source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif	

## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, made this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, by Janine Sukowski, Ralph Sperschneider, Goran Markovic, Wolfgang Jaegers, Christian Helmrich, Bernd Edler, and Ralf Geiger (hereinafter referred to as Assignors), residing at Heinrich-Hertz-Strasse 15, 91058 Erlangen, GERMANY; Debert 75, 91320 Ebermannstadt, GERMANY; Aachener Strasse 19, 90425 Nuernberg, GERMANY; Kulmbacher Strasse 47, 91056 Erlangen, GERMANY; Hauptstrasse 68, 91054 Erlangen, GERMANY; Unterfarmbacher Strasse 29, 90766 Fuerth, GERMANY; and Jakob-Herz-Weg 36, 91052 Erlangen, GERMANY, respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in a **METHOD AND APPARATUS FOR OBTAINING SPECTRUM COEFFICIENTS FOR A REPLACEMENT FRAME OF AN AUDIO SIGNAL, AUDIO DECODER, AUDIO RECEIVER, AND SYSTEM FOR TRANSMITTING AUDIO SIGNALS**, set forth in a non-provisional application for Letters Patent of the United States, already filed on December 21, 2015, as US Application No. 14/977,207; and

**WHEREAS**, Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V., a Corporation organized under and pursuant to the laws of Germany having its principal place of business at Hansastrasse 27c, 80686 Muenchen, GERMANY (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefor and thereon.

**NOW, THEREFORE**, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all related United States provisional patent applications, any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection

of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

**AND** for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said non-provisional application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

**AND** Assignors hereby request the Commissioner for Patents and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which 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:

HAYNES AND BOONE, LLP

All practitioners at Customer Number 27683

AND Assignors acknowledge an obligation of assignment of this invention to Assignees at the time the invention was made.

Date: 25.02.2016

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

Janine Sukowski

Date: 29.2.2016

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

Goran Markovic

Date: 3.3.2016

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

Wolfgang Jaegers

Date: 29.2.2016

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

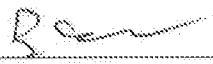
Christian Helmrich

Date: 29.02.2016

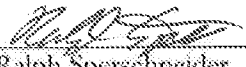
Signature: \_\_\_\_\_

Bernd Edler

Date: 22.2.2016

Signature:   
Ralf Geiger

Date: 22.2.2016

Signature:   
Ralph Sperschneider