# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4009874

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
FLORIN GHIDO	05/13/2016
ACHIM KUNTZ	05/13/2016
BERNHARD GRILL	05/13/2016

#### **RECEIVING PARTY DATA**

Name:	FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.
Street Address:	HANSASTRASSE 27C
City:	MUENCHEN
State/Country:	GERMANY
Postal Code:	80686

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15131263

### **CORRESPONDENCE DATA**

Fax Number: (214)200-0853

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.

Phone: 720-484-3713

Email: ipdocketing@haynesboone.com

ROBERT P. ZIEMIAN **Correspondent Name:** Address Line 1: 2323 VICTORY AVENUE

Address Line 2: SUITE 700

Address Line 4: DALLAS, TEXAS 75219

ATTORNEY DOCKET NUMBER:	53523.20US01
NAME OF SUBMITTER:	ROBERT P. ZIEMIAN
SIGNATURE:	/Robert P. Ziemian/
DATE SIGNED:	08/16/2016

## **Total Attachments: 3**

source=53523\_20US01\_Assignment#page1.tif source=53523 20US01 Assignment#page2.tif

> **PATENT REEL: 039707 FRAME: 0175**

503963219

source=53523\_20US01\_Assignment#page3.tif

PATENT REEL: 039707 FRAME: 0176

#### ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made this day of, 2	016, by Florin
Ghido; Achim Kuntz; and Bernhard Grill (hereinafter referred to as Assignors), residing	; at Am
Stadtpark 21, 90409 Nuemberg, GERMANY; Weiherstrasse 12, 91334 Hermhogen, GF	RMANY; and
Peter-Henlein-Strasse 7, 91207 Lauf, GERMANY, respectively:	

WHEREAS, Assignors have invented certain new and useful improvements in a METHOD FOR DECODING AND ENCODING A DOWNMIX MATRIX, METHOD FOR PRESENTING AUDIO CONTENT, ENCODER AND DECODER FOR A DOWNMIX MATRIX, AUDIO ENCODER AND AUDIO DECODER, set forth in a non-provisional application for Letters Patent of the United States, already filed on April 18, 2016, as US Application No. 15/131,263; 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 therefore 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.

Page 1 of 3

53523.20US01

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

Page 2 of 3

53523.20US01

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

Date: 13.05.2016 Signature: Middle—Florin Ghido

Date: 13.5.2016 Signature: Achim Kuntz

Date: 13.5.2016 Signature: Beruhrid Griff

53523.20US01

Page 3 of 3 15691106\_1

**RECORDED: 08/16/2016** 

**PATENT REEL: 039707 FRAME: 0179**