

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT		
<b>CONVEYING PARTY DATA</b>			
	<b>Name</b>	<b>Execution Date</b>	
	ADRIAN TOMASEK	07/02/2020	
	MANFRED LUTZKY	07/03/2020	
	CONRAD BENNDORF	07/06/2020	
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.		
<b>Street Address:</b>	HANSASTRASSE 27C		
<b>City:</b>	MÜNCHEN		
<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:	16868057	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	(703)563-9748		
<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>	7037383438		
<b>Email:</b>	docket@nklaw.com		
<b>Correspondent Name:</b>	NOVICK, KIM & LEE, PLLC		
<b>Address Line 1:</b>	3251 OLD LEE HIGHWAY		
<b>Address Line 2:</b>	SUITE 404		
<b>Address Line 4:</b>	FAIRFAX, VIRGINIA 22030		
<b>ATTORNEY DOCKET NUMBER:</b>	PJK5283894		
<b>NAME OF SUBMITTER:</b>	IRENE REE		
<b>SIGNATURE:</b>	/IRENE REE/		
<b>DATE SIGNED:</b>	08/18/2020		
<b>Total Attachments: 4</b>			
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ASSIGNMENT

WHEREAS I/We, the below named inventor(s) (hereinafter referred to as Assignor(s)), have made an invention entitled:

**ENCODING AND DECODING AUDIO SIGNALS**

for which I/WE executed an application for United States Letters Patent that was filed or will be filed in the United States Patent and Trademark Office; and

WHEREAS, *Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.*, a corporation of Germany, whose post office address is Hansastraße 27c, München 80686 Germany (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee(s) is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee(s), its/their lawful successors and assigns, my/our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/We hereby authorize and request the Director of United States Patent and Trademark Office to issue all Letters Patent for this invention to Assignee(s), its/their successors and assigns, in accordance with the terms of this Assignment;


AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee(s), its/their successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said Assignee(s), its/their successors and assigns, execute all divisional, continuation, and reissue

applications, make all rightful oaths and generally do everything possible to aid Assignee(s), its/their successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee(s), its/their successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/we have empowered in the Power of Attorney in this application, to insert here in parentheses (Application No. 16/868,057, filed on May 6, 2020) the filing date and application number of said application when known.


IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

1. FULL NAME OF SOLE OR FIRST ASSIGNOR <b>RAVELLI, Emmanuel</b>	ASSIGNOR'S SIGNATURE	DATE
ADDRESS c/o Fraunhofer-Institut für Integrierte Schaltungen IIS Am Wolfsmantel 33 91058 Erlangen, Germany		CITIZENSHIP France
2. FULL NAME OF SECOND ASSIGNOR, IF ANY <b>TOMASEK, Adrian</b>	ASSIGNOR'S SIGNATURE 	DATE 2.7.2020
ADDRESS c/o Fraunhofer-Institut für Integrierte Schaltungen IIS Am Wolfsmantel 33 91058 Erlangen, Germany		CITIZENSHIP Germany
3. FULL NAME OF THIRD ASSIGNOR, IF ANY <b>LUTZKY, Manfred</b>	ASSIGNOR'S SIGNATURE	DATE
ADDRESS c/o Fraunhofer-Institut für Integrierte Schaltungen IIS Am Wolfsmantel 33 91058 Erlangen, Germany		CITIZENSHIP Germany
4. FULL NAME OF FOURTH ASSIGNOR, IF ANY <b>BENNDORF, Conrad</b>	ASSIGNOR'S SIGNATURE	DATE
ADDRESS Heroldstr. 13, 90408 Nürnberg, Germany		CITIZENSHIP Germany

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ADDRESS c/o Fraunhofer-Institut für Integrierte Schaltungen IIS Am Wolfsmantel 33 91058 Erlangen, Germany		CITIZENSHIP Germany
3. FULL NAME OF THIRD ASSIGNOR, IF ANY <b>LUTZKY, Manfred</b>	ASSIGNOR'S SIGNATURE 	DATE 3.7.2020
ADDRESS c/o Fraunhofer-Institut für Integrierte Schaltungen IIS Am Wolfsmantel 33 91058 Erlangen, Germany		CITIZENSHIP Germany
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ADDRESS c/o Fraunhofer-Institut für Integrierte Schaltungen IIS Am Wolfsmantel 33 91058 Erlangen, Germany		CITIZENSHIP Germany
3. FULL NAME OF THIRD ASSIGNOR, IF ANY <b>LUTZKY, Manfred</b>	ASSIGNOR'S SIGNATURE	DATE
ADDRESS c/o Fraunhofer-Institut für Integrierte Schaltungen IIS Am Wolfsmantel 33 91058 Erlangen, Germany		CITIZENSHIP Germany
4. FULL NAME OF FOURTH ASSIGNOR, IF ANY <b>BENNDORF, Conrad</b>	ASSIGNOR'S SIGNATURE 	DATE <b>2020-07-06</b>
ADDRESS Heroldstr. 13, 90408 Nürnberg, Germany		CITIZENSHIP Germany