505338396 02/21/2019

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5385177

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ALEXANDER KRUEGER	05/18/2015
SVEN KORDON	05/07/2015
JOHANNES BOEHM	05/07/2015

RECEIVING PARTY DATA

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Postal Code:	92130

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16276363

CORRESPONDENCE DATA

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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ATTORNEY DOCKET NUMBER: A16017US04-INVENTORS-TL	
NAME OF SUBMITTER:	BIANCA MIYAKAWA
SIGNATURE:	/Bianca Miyakawa/
DATE SIGNED:	02/21/2019

Total Attachments: 3

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PATENT REEL: 048391 FRAME: 0417 505338396

Customer No. 24498

DECLARATION

Docket No. PD120055

As a below named inventor, I hereby declare that: I believe I am the original Inventor or an original joint Inventor of the subject matter which is claimed and for which a patent is sought on METHOD AND APPARATUS FOR COMPRESSING AND DECOMPRESSING A HIGHER ORDER AMBISONICS REPRESENTATION FOR PCT/EP13/076569 end was amended on A SOUND FIELD as Application Serial No. 04/DEC/2013 the specification of which was filed on , or, if not identified here by filing date and serial number, is attached hereto.

The above-identified application was made or authorized to be made by me. I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-inreferred to above. part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation in-part application. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or Imprisonment of not more than five (5) years, or both, under 18 USC 1001. ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT For valuable consideration received, I hereby sell, assign and transfer to Thomson Licensing, a corporation duly organized and existing under the laws of the country of France, its successors, and assigns my entire right, title and interest, for all countries in and to said inventions, including india and the United States of America, and all the rights and privileges under any and all Letters Patent that may be granted therefor, and any divisions, continuations, releases and extensions thereof. I agree that, when requested, I will, without charge to said corporation but at its expense, sign all papers, take eli rightful oaths, make all rightful declarations and do all acts which may be necessary, desirable or convenient for securing and maintaining patents or other forms of protection for said inventions in any and all countries and for vesting title thereto in said corporation, its successors, assigns or I agree that I will communicate to said corporation or its representatives any facts known to me respecting said inventions and when requested by said corporation and at its expense will testify in any legal proceedings, and generally do everything possible to aid said corporation, its successors, assigns and legal representatives or nominees, to obtain or enforce proper protection for said inventions in any and all countries.

I authorize and empower said corporation, its successors, assigns or nominees, to make application for patent or other form of protection for said inventions in its or their own name, or in mylour name, in any and all countries and to invoke and claim for any application protection for said inventions filed by it or them, the benefit of the right of priority provided by the international for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the international for patent or other form of protection for said inventions filed by its or them. Convention for the Protection of industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me. I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said corporation or like document which may be required in any country for any purpose and more particularly in proof of the right of the said corporation or like successors, assigns or nominees to apply for patent or other proper protection for said inventions, and to claim the aforesaid benefits of the right of priority provided by the international Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it. I covenant with Thomson Licensing, its successors, assigns, legal representatives, and nominees, that to the best of my knowledge the right, title and interest herein conveyed by me are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed.

Hannover/Germany Date Signed at Mexander Krieger Alexander KRUEGER Inventor Name (Type or Print) Feuerbachstr. 16, 30655 HANNOVER, Germany Post Office Address Susanne WIRTZ 1st Witness (Signature in Full - No Initials) (Type or Print) Cordula RATAJCZAK <u> Cozota //Odo//P/οδ</u> (Signature in Fuli – No Initials) 2nd Witness (Type or Print)

> PATENT REEL: 048391 FRAME: 0418

Customer No. 24498

DECLARATION

Docket No. PD120055

Customor	110. 201120					
i believe i am th	ventor, i hereby deck e origina∷nventor or	ere that: an original joint Inventor of	the subject matte	er which is claimed	and for which a paten	nt is sought on
he invention entitled METHOD AND APF	ARATUS FOR CO	MPRESSING AND DEC	OMPRESSING A	HIGHER ORDE	R AMBISONICS RE	PRESENTATION FOR
A SOUND FIELD				ation Serial No.		and was amended on
he specification of w		04/DEC/2013 , or, if not identified	here by filing da	le and señal numb	er, is attached hereto.	FIG. 1
I have reviewed	tilied application was and understand the	made or authorized to be contents of the above iden	made by me. tified specification	, including the clai	ms, as amended by ar	ny amendment
eferred to above. i acknowledge t	he duty to disclose in	nformation which is materia ch became available betwe	i to patentability a sen the filing date	s defined in 37 CF of the prior applica	R 1.56, including for callon and the national c	continuation-in- or PCT
nternational filing da	te of the continuation	-in-part application.	windre ore frue s	ametate ile tedt hoe	ents made on informati	lion and belief
	n, and hidror that th	nade nerein of my own wic ase statements were made not more than five (5) year		INC BIOL HIMION ICHOC	statements and the li	ke so mada
•		AGREEMENT IN A			TTERS PATENT	Ŧ
existing under the lat nventions, including granted therefor, and lagree that, make all rightful deciforms of protection from lees. I agree that i requested by said corporation, its succeand all countries. I authorize a protection for said infor patent or other for patent or other for the Filmvoke and claim suc I hereby con or like document white right of priority pwhich may hencefor!	was of the country of I india and the United and the United it any divisions, continument of the indianation and do all a for sald invantions in will communicate to corporation and at its essors, assigns and empower sald coventions in its or their of protection for protection of industricts right of priority with the intention of the indianation of provided by the Intertit be substituted for its and the country of the intention	ved, i hereby sell, assign France, its successors, and a states of America, and al mustions, relssues and extendit, without charge to said cts which may be necessar any and all countries and said corporation or its representatives or no orporation, its successors, rown name, or in my/our n said inventions filed by it all Property, as amended, count further written or oral a sassignment shall be defined in any country for any purpoply for patent or other promational Convention for the tig, its successors, assignsed by me are free and clean	lassigns my entill the rights and proposal to proposal or color or	at its expense, signivenient for securithereto in said contracts known to me ings, and generally or enforce proper lineas, to make apalico, and to fit of the right of a radid inventions, a radid inventions, a ndustrial Property,	y and all Letters Pater in all papers, take all ing and maintaining pi poration, its successor respecting said inventive do everything possit protection for said inventive plication for patent or invoke and dalm for a priority provided by the neeforth be substitute ant of any assignment, of the right of the said and to claim the afores as amended, or by a as that to the best of	nt that may be rightful oaths, latents or other ors, assigns or tions and when ble to aid sald ventions in any or other form of any application le international led for it, and to consent to file corporation or sald benefits of any convention my knowledge
Signed at	Hannover/Germany		Date	2015-0	5-07	·
Inventor Name	Sven KORDON (Type o	or Print)) (sign	Lock eature in Full – No	() Initials)

Inventor Name

Sven KORDON

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Post Office Address

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Susanne WIRTZ

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Susanne WIRTZ

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Cordula RATAJCZAK

Corection Not Initials)

Cordula RATAJCZAK

Corection Not Initials

(Signature in Full – No Initials)

PATENT REEL: 048391 FRAME: 0419

Docket No. PD120055

Customer No. 24498

As a below named inventor, I hereby declare that:

I believe I am the original inventor or an original joint inventor of the subject matter which is claimed and for which a patent is sought on

METHOD AND APPARATUS FOR COMPRESSING AND DECOMPRESSING A HIGHER ORDER AMBISONICS REPRESENTATION FOR

A SOUND FIELD

the specification of which was filed on

04/DEC/2013

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PCT/EP13/076559 and was amended on

, or, if not identified here by filing date and serial number, is attached hereto.

The above-identified application was made or authorized to be made by me.

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment of not more than five (5) years, or both, under 18 USC 1001.

assignment and agreement in an application for letters patent

For valuable consideration received, I hereby sell, assign and transfer to Thomson Licensing, a corporation duly organized and existing under the laws of the country of France, its successors, and assigns my entire right, title and interest, for all countries in and to said inventions, including india and the United States of America, and all the rights and privileges under any and all Letters Patent that may be granted therefor, and any divisions, continuations, reissues and extensions thereof.

agree that, when requested, I will, without charge to said corporation but at its expense, sign all papers, take all rightful daths, make all rightful declarations and do all acts which may be necessary, destrable or convenient for securing and maintaining patents or other forms of protection for said inventions in any and all countries and for vesting title thereto in said corporation, its successors, assigns or

I agree that I will communicate to said corporation or its representatives any facts known to me respecting said inventions and when requested by said corporation and at its expense will testify in any legal proceedings, and generally do everything possible to aid said corporation, its successors, assigns and legal representatives or nominees, to obtain or enforce proper protection for said inventions in any and all countries.

I authorize and empower said corporation, its successors, assigns or nominees, to make application for patent or other form of protection for said inventions in its or their own name, or in my/our name, in any and all countries and to invoke and daim for any application protection for said inventions in its or their own name, or in myour name, in any and all countries and or invoke and claim or any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the international Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file

or like document which may be required in any country for any purpose and more particularly in proof of the right of the said corporation or its successors, assigns or nominees to apply for patent or other proper protection for said inventions, and to claim the aforesaid benefits of the right of priority provided by the international Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

I covenant with Thomson Licensing, its successors, assigns, legal representatives, and nominees, that to the best of my knowledge the right, title and interest herein conveyed by me are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed.

Signed at	Hannover/Germany Date	30/5-05-04
Inventor Name	Johannes BOEHM (Type or Print)	(Signature in Full – No Initials)
Post Office Address	Sieberweg 35, 37081 GOETTINGEN, Germany	
1 ^{at} Wilness	Susanne WIRTZ (Type or Print)	(Signature in Full – No Init(als)
2 [™] Witness	Cordula RATAJCZAK (Type or Print)	<u>CReÖZCu Nodo je 36</u> (Signature in Full – No Initials)

PATENT

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