# 503171656 02/09/2015 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3218272

Street Address: 1-5 RU	1 Number	Execution Date           12/02/2014           11/28/2014           12/01/2014		
JOHANNES BOEHM PETER JAX OLIVER WUEBBOLT  RECEIVING PARTY DATA Name: THOM Street Address: 1-5 RU City: ISSY I State/Country: FRAN Postal Code: 92130  PROPERTY NUMBERS Total: T	ISON LICENSING SAS JE JEANNE D'ARC LES MOULINEUX CE 1 Number	12/02/2014 11/28/2014		
PETER JAX OLIVER WUEBBOLT RECEIVING PARTY DATA Name: THOM Street Address: 1-5 RU City: ISSY I State/Country: FRAN Postal Code: 92130 PROPERTY NUMBERS Total: The second se	ISON LICENSING SAS JE JEANNE D'ARC LES MOULINEUX CE 1 Number	12/02/2014 11/28/2014		
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OLIVER WUEBBOLTRECEIVING PARTY DATAName:THOMStreet Address:1-5 RUCity:ISSY IState/Country:FRANPostal Code:92130PROPERTY NUMBERS Total:Property Type	JE JEANNE D'ARC LES MOULINEUX CE 1 Number			
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Postal Code:92130PROPERTY NUMBERS Total:Property Type	1 Number			
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Property Type	Number			
Property Type	Number			
Application Number:	14415714			
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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail. Email: USPTO@TECHNICOLOR.COM				
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ATTORNEY DOCKET NUMBER	: PD120033			
NAME OF SUBMITTER:	JONATHAN B. WRIGHT	JONATHAN B. WRIGHT		
SIGNATURE:	/JONATHAN B. WRIGHT/	/JONATHAN B. WRIGHT/		
DATE SIGNED:	02/09/2015	02/09/2015		

HA-00115

Customer No. 24498

#### DECLARATION

Docket No. PD120033

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 the invention entitled

## METHOD AND DEVICE FOR IMPROVING THE RENDERING OF MULTI-CHANNEL AUDIO SIGNALS

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 referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-inpart 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.

I agree that, when requested, I will, without charge to said corporation but at its expense, sign all papers, take all rightful caths, 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 nominees.

Lagree 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 claim for 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 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, tile 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	2014-12-2
Inventor Name	Johannes BOEHM (Type or Print)		(Signature in Full – No Initials)
Post Office Address	Sieberweg 35, 37081 GOETTINGEN, Germ	any	
1 <sup>st</sup> Witness	Susanne WIRTZ 		(Signature in Full - No Initials)
2 <sup>nd</sup> Witness	Cordula RATAJCZAK (Type or Print)		 (Signature in Full⊶ No Initials)

PATENT REEL: 034920 FRAME: 0728

HA-OOMS

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#### METHOD AND DEVICE FOR IMPROVING THE RENDERING OF MULTI-CHANNEL AUDIO SIGNALS

the specification of which was filed on 19/JUL/2013 as Application Serial No. PCT/EP13/065343 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.

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I agree that, when requested, I will, without charge to said corporation but at its expense, sign all papers, take all 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 nominees.

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Signed at	Hannover/Germany	Date	28.11.2014
Inventor Name	Peter JAX (Type or Print)		(Signature ) Full – No Initials)
Post Office Address	St.Ingbert-Weg 13, 30559 HANNOVER, Gen	nany	
1 <sup>st</sup> Witness	Susanne WIRTZ (Type or Print)		(Signature in Full - No Initials)
2 <sup>nd</sup> Witness	Cordula RATAJCZAK (Type or Print)		<u>Coze2z (\$ /10/0/220</u> } (Signature in €ull – No Initials)

PATENT REEL: 034920 FRAME: 0729

HA-OOMS

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#### METHOD AND DEVICE FOR IMPROVING THE RENDERING OF MULTI-CHANNEL AUDIO SIGNALS

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Signed at	Hannover/Germany	Date		
Inventor Name	Oliver WUEBBOLT (Type or Print)		(Signature in Full – No Initials)	
Post Office Address	Saarbrueckener Str. 4, 30559 HANNOVER, Germany			
1 <sup>st</sup> Witness	Susanne WIRTZ (Type or Print)	<	(Signature in Full – No Initials)	
2 <sup>nd</sup> Witness	Cordula RATAJCZAK (Type or Print)		<u>(<i>Cime722Ca_72e4e j à</i> 355</u> (Signature in Full – No Initials)	

PATENT REEL: 034920 FRAME: 0730

**RECORDED: 02/09/2015**