504102304 11/18/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4148973

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SUSUMU YAMAMOTO	11/15/2016

RECEIVING PARTY DATA

Name:	ONKYO Corporation
Street Address:	2-1, Nisshin-cho, Neyagawa-shi
City:	Osaka
State/Country:	JAPAN
Postal Code:	572-0028

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15354168

CORRESPONDENCE DATA

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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.

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ATTORNEY DOCKET NUMBER:	ONKYP0230US
NAME OF SUBMITTER:	MARK D. SARALINO
SIGNATURE:	/Mark D. Saralino/
DATE SIGNED:	11/18/2016

Total Attachments: 3

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PATENT 504102304 REEL: 040365 FRAME: 0737

COMBINED DECLARA	TION AND ASSIGNMENT U: (ORIGINAL, DESIGN, NATI		TA SHEET (37 CFF	₹ 1.76)	
AUDIO PROCES	SSING DEVICE				
Title:				1	
	I. DE	CLARATION			
s a below named invento	r or joint inventor, I hereby de	clare that:			
his declaration is directed	I to:	U.S. Applic	ation No. 15/35	4,168	
(a) X the attach	ed application, or	Filing Date: 17 November			
· , <u></u>	ates application or PCT interna	ational application number			
The above-identified applic	cation was made or authorized	d by me.			
believe that I am the origi	nal inventor or an original join	t inventor of a claimed inv	ention in the applic	ation.	
hereby state that I have re	eviewed and understand the o	contents of the above-iden	itified application.		
	duty to disclose to the U.S. Pa tability as defined in 37 C.F.R		e all information kr	own to	
	any willful false statement ment of not more than five (5) ye		punishab i e under 1	8 USC	
	PRIORITY	CLAIM			
or patent or inventor's cel other than the United State or patent or inventor's ce	ity benefits under Title 35, Un tificate or of any PCT internat s of America listed below and rtificate or any PCT internation es of America filed by me on which priority is claimed.	ional application(s) design have also identified below anal application(s) design	nating at least one of any foreign applica ating at least one	country ation(s) country	
(c) no such applic	cation have been filed.				
	ons have been filed as follows	5.			
(d) X such application					
EARLIEST I	FOREIGN APPLICATION(S), INTHS FOR DESIGN) PRIOR				
EARLIEST I					

09/01/2012

II. ASSIGNMENT

As a below named assignor, for good and valuable consideration acknowledged and received I hereby sell and assign my entire worldwide right, title and interest in the application and the invention(s), so far as concerns the United States and the Territories and Possessions thereof to:

ASSIGNEE:

Onkyo Corporation 2-1, Nisshin-cho, Neyagawa-shi Osaka 572-0028 Japan

Including:

any and all related patent application(s) in the United States, including continuations, continuations-in-part, divisionals, conversions, renewals, substitutes, reissues, reexaminations, extensions, non-provisional applications, and other applications based in whole or in part upon the invention(s) or upon the application(s);

any and all Letters Patent, renewals, reissues, reexamination certificates and extensions of Letters Patent granted for the invention(s) or upon the application(s); and

every priority right that is or may be predicated upon or arise from the invention(s), the application(s) and the Letters Patent.

I additionally authorize the Assignee to file patent applications in my or the Assignee's name for Letters Patent in any country (by international convention, treaty or otherwise), to be held and enjoyed by the Assignee, its successors and assigns, to the full end of the term or terms for which Letters Patent respectively may be granted, reissued, reexamined or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this Assignment and transfer not been made.

I hereby covenant that I have the full right to convey the entire interests herein assigned, and that I have not executed and will not execute any agreement in conflict herewith and that such assigned rights are not encumbered by any grant, license or other right previously given.

I agree that each time a request is made, and without undue delay, I will execute and deliver all such papers as may be necessary or desirable to perfect the title in and to the invention(s), the application(s) and the Letters Patent, to the Assignee, its successors or assigns.

I agree, without undue delay, to undertake all reasonable acts to assure that said invention(s), patent application(s) and Letters Patent shall be held and enjoyed by the Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly: to execute and deliver to the Assignee all lawful documents including petitions, specifications, oaths, declarations, powers of attorney, assignments, invention disclaimers and lawful affidavits in form and substance which may be requested by the Assignee; to furnish the Assignee with all facts relating to said invention(s) or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may be useful for establishing the facts of conception, disclosure and reduction to practice of said invention(s); and to testify in any proceedings relating to said invention(s), patent application(s) and Letters Patent.

I authorize the patent attorney of record and/or having power of attorney in the U.S. patent application identified above to insert the serial number and filing date information for the patent application in the appropriate spaces in this document when that information becomes available.

09/01/2012

Full Name of Sole or	First Inventor and Assignor:	Susum	u YAMAM	ОТО
Inventor's signature:	Susumu Yamamoto		Date:	11/15/2016
Post Office Address:	c/o Onkyo & Pioneer Technology 2-1, Nisshin-cho, Neyagawa-shi Osaka 572-0028 Japan	Corporatio	n	

CHECK FOR ANY OF THE FOLLOWING ADDED PAGE(S) WHICH FORM A PART OF THIS COMBINED DECLARATION AND ASSIGNMENT

	Signature for sixth and subsequent joint inventors and assignors; number of pages added	
	Added page to this combined declaration and assignment for divisional, continuation, or continuation-in-part (CIP) application.	
X	This combined declaration and assignment ends with this page.	

09/01/2012