PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4870185

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HISAKO MURATA	02/02/2018
MASAYA KONISHI	12/28/2017
YUMI FUJII	12/28/2017

RECEIVING PARTY DATA

Name:	JVC KENWOOD CORPORATION
Street Address:	3-12, MORIYACHO, KANAGAWA-KU
City:	YOKOHAMA-SHI, KANAGAWA
State/Country:	JAPAN
Postal Code:	2210022

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15923328

CORRESPONDENCE DATA

Fax Number: (619)235-0398

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: 6192381900

Email: docketing@procopio.com

Correspondent Name: PROCOPIO, CORY, HARGREAVES & SAVITCH LLP

Address Line 1: 525 B STREET Address Line 2: SUITE 2200

Address Line 4: SAN DIEGO, CALIFORNIA 92101

ATTORNEY DOCKET NUMBER:	120537-074CT1
NAME OF SUBMITTER:	JESSICA R. GROSS
SIGNATURE:	/Jessica R. Gross/
DATE SIGNED:	03/16/2018

Total Attachments: 3

source=120537-074CT1_Declaration_and_Assignment_TBF#page1.tif source=120537-074CT1_Declaration_and_Assignment_TBF#page2.tif source=120537-074CT1_Declaration_and_Assignment_TBF#page3.tif

PATENT 504823450 REEL: 045254 FRAME: 0254

	Atto	orney Docket No.:	120537-074CT1
Ι	DECLARATION (37 CFR 1.63) FOR UTILITY (APPLICATION DATA SHEET (37 CI	OR DESIGN APPLIC FR 1.76) AND ASSIG	ATION USING AN NMENT
Title:	OUT-OF-HEAD LOCALIZATION PROCESSING A AND OUT-OF-HEAD LOCALIZATION PROCESSI		
As an u	undersigned inventor, I declare that:		
Į	☑ This declaration is directed to the attached app	olication, or	
	☐ The application is identified by the United S Application No, filed or	States Application Num	mber or PCT International
	The above-identified application was made or aut		/ me.
	I believe that I am the original inventor or an oriapplication.	ginal joint inventor of	a claimed invention in the
,	I hereby acknowledge that any willful false stater 18 U.S.C. 1001 by fine or imprisonment of not m	ment made in this decl nore than five (5) years	aration is punishable under s, or both.
improve	as, I/We, the undersigned inventor(s), hereinal ements in the above-titled invention and executed of America therefor; and	fter called assignor(s d an application for L	s), have invented certain etters Patent of the United
2210022	as, JVC KENWOOD Corporation of 3-12, Moriyo 2, Japan (assignee), desires to acquire the entire on, and to any United States patents to be obtained	right, title, and inter	Yokohama-shi, Kanagawa, rest in the application and
Now the	erefore, for valuable consideration, receipt whereo	of is hereby acknowled	lged,
successor therein f Patent of thereto, including and Trad the assig Letters I necessary to do so	e above named assignor(s), hereby sell, assign ors and assigns, the entire right, title and interes for the United States of America, including all divor the United States that may be granted thereon, a including rights of priority under the Internating the right to claim priority under 35 U.S.C. §119 demark Office to issue any Letters Patent granted gnee, its successors and assigns; and We hereby Patent on the invention and We will execute wry by the assignee in connection with the United States and the successors.	it in the application are visions, and continuate and all reissues thereof ional Convention of 10, and We request the upon the invention servithout further considerates and foreign applications.	nd the invention disclosed ons thereof, and all Letters f, and all countries foreign Paris (1883) as amended, Director of the U.S. Patent t forth in the application to nee may apply for foreign eration all papers deemed lications when called upon
We here	eby authorize and request our attorneys PROCOP	IO, CORY, HARGRE	EAVES & SAVITCH LLP

of 525 B Street Suite 2200, San Diego, CA 92101 to insert here in parentheses (Application number

Feb. 2, 2018 Hisakes Murata

application number, confirmation number and filing date of said application when known.

15923328 and Confirmation number 2287

LEGAL NAMES OF INVENTOR(S)

Date:

PATENT REEL: 045254 FRAME: 0255

_____, filed March 16, 2018) the

Attorney Docket No.: 120537-074CT1
DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT
Title: OUT-OF-HEAD LOCALIZATION PROCESSING APPARATUS AND OUT-OF-HEAD LOCALIZATION PROCESSING METHOD
As an undersigned inventor, I declare that:
This declaration is directed to the attached application, or
☐ The application is identified by the United States Application Number or PCT International Application No, filed on
The above-identified application was made or authorized to be made by me.
I believe that I am the original inventor or an original joint inventor of a claimed invention in th application.
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.
Whereas, I/We, the undersigned inventor(s), hereinafter called assignor(s), have invented certai improvements in the above-titled invention and executed an application for Letters Patent of the Unite States of America therefor; and
Whereas, JVC KENWOOD Corporation of 3-12, Moriyacho, Kanagawa-ku, Yokohama-shi, Kanagawa 2210022, Japan (assignee), desires to acquire the entire right, title, and interest in the application an invention, and to any United States patents to be obtained therefor;
Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,
We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, it successors and assigns, the entire right, title and interest in the application and the invention disclose therein for the United States of America, including all divisions, and continuations thereof, and all Letter Patent of the United States that may be granted thereon, and all reissues thereof, and all countries foreig thereto, including rights of priority under the International Convention of Paris (1883) as amended including the right to claim priority under 35 U.S.C. §119, and We request the Director of the U.S. Pater and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and We hereby agree that the assignee may apply for foreign Letters Patent on the invention and We will execute without further consideration all papers deemen necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.
We hereby authorize and request our attorneys PROCOPIO, CORY, HARGREAVES & SAVITCH LLI of 525 B Street Suite 2200, San Diego, CA 92101 to insert here in parentheses (Application number 15923328 and Confirmation number 2287, filed March 16, 2018) the application number, confirmation number and filing date of said application when known.
LEGAL NAMES OF INVENTOR(S)

Masaya Konishi

12/28/2017

Date:

PATENT REEL: 045254 FRAME: 0256

Attorney Docket No.: 12053	7-074CT1
----------------------------	----------

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

Title:

OUT-OF-HEAD LOCALIZATION PROCESSING APPARATUS AND OUT-OF-HEAD LOCALIZATION PROCESSING METHOD

As an undersigned inventor, I declare that:

The an undersigned inventor, I declare that.
This declaration is directed to the attached application, or
☐ The application is identified by the United States Application Number or PCT Internation Application No, filed on
The above-identified application was made or authorized to be made by me.
I believe that I am the original inventor or an original joint inventor of a claimed invention in that application.
I hereby acknowledge that any willful false statement made in this declaration is punishable und 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.
Whereas, I/We, the undersigned inventor(s), hereinafter called assignor(s), have invented certain improvements in the above-titled invention and executed an application for Letters Patent of the United States of America therefor; and
Whereas, JVC KENWOOD Corporation of 3-12, Moriyacho, Kanagawa-ku, Yokohama-shi, Kanagaw 2210022, Japan (assignee), desires to acquire the entire right, title, and interest in the application are invention, and to any United States patents to be obtained therefor;
Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,
We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, is successors and assigns, the entire right, title and interest in the application and the invention disclose therein for the United States of America, including all divisions, and continuations thereof, and all Lette Patent of the United States that may be granted thereon, and all reissues thereof, and all countries foreig thereto, including rights of priority under the International Convention of Paris (1883) as amende including the right to claim priority under 35 U.S.C. §119, and We request the Director of the U.S. Pater and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and We hereby agree that the assignee may apply for foreig Letters Patent on the invention and We will execute without further consideration all papers deeme necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.
We hereby authorize and request our attorneys PROCOPIO, CORY, HARGREAVES & SAVITCH LL of 525 B Street Suite 2200, San Diego, CA 92101 to insert here in parentheses (Application number 15923328 and Confirmation number 2287, filed March 16, 2018) the application number, confirmation number and filing date of said application when known.
LEGAL NAMES OF INVENTOR(S)
Date: 12/28/2017 Jun Fujin

s/Yumi FUJII

PATENT REEL: 045254 FRAME: 0257

RECORDED: 03/16/2018