

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5078626

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HISAKO MURATA	06/20/2018
MASAYA KONISHI	06/20/2018
YUMI FUJII	07/03/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	JVC KENWOOD CORPORATION
<b>Street Address:</b>	3-12, MORIYACHO, KANAGAWA-KU
<b>City:</b>	YOKOHAMA-SHI, KANAGAWA
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	2210022
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16052243
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(619)235-0398
<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>	6192381900
<b>Email:</b>	docketing@procopio.com
<b>Correspondent Name:</b>	PROCOPIO, CORY, HARGREAVES & SAVITCH LLP
<b>Address Line 1:</b>	525 B STREET
<b>Address Line 2:</b>	SUITE 2200
<b>Address Line 4:</b>	SAN DIEGO, CALIFORNIA 92101
<b>ATTORNEY DOCKET NUMBER:</b>	120537-083CT1
<b>NAME OF SUBMITTER:</b>	JESSICA R. GROSS
<b>SIGNATURE:</b>	/Jessica R. Gross/
<b>DATE SIGNED:</b>	08/01/2018
<b>Total Attachments: 3</b>	
source=120537-083CT1_Assignment#page1.tif	
source=120537-083CT1_Assignment#page2.tif	
source=120537-083CT1_Assignment#page3.tif	

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

Title: FILTER GENERATION DEVICE, FILTER GENERATION METHOD,  
AND SOUND LOCALIZATION 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 the 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 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, Kanagawa, 2210022, Japan (assignee), desires to acquire the entire right, title, and interest in the application and 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, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, and all countries foreign 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. Patent 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 deemed 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 LLP of 525 B Street Suite 2200, San Diego, CA 92101 to insert here in parentheses (Application number 16/052,243 and Confirmation number 1066, filed August 1, 2018) the application number, confirmation number and filing date of said application when known.

LEGAL NAMES OF INVENTOR(S)

Date: Jun. 20, 2018 | Hisako Murata  
s/ Hisako MURATA

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

Title: FILTER GENERATION DEVICE, FILTER GENERATION METHOD,  
AND SOUND LOCALIZATION 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 the  
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 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, Kanagawa,  
2210022, Japan (assignee), desires to acquire the entire right, title, and interest in the application and  
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, its  
successors and assigns, the entire right, title and interest in the application and the invention disclosed  
therein for the United States of America, including all divisions, and continuations thereof, and all Letters  
Patent of the United States that may be granted thereon, and all reissues thereof, and all countries foreign  
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. Patent  
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 deemed 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 LLP  
of 525 B Street Suite 2200, San Diego, CA 92101 to insert here in parentheses (Application number  
16/052,243 and Confirmation number 1066, filed August 1, 2018) the  
application number, confirmation number and filing date of said application when known.

LEGAL NAMES OF INVENTOR(S)

Date: Jun. 20, 2018 | Masaya Konishi  
s/ Masaya KONISHI

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

Title: FILTER GENERATION DEVICE, FILTER GENERATION METHOD,  
AND SOUND LOCALIZATION 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 the  
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 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, Kanagawa,  
2210022, Japan (assignee), desires to acquire the entire right, title, and interest in the application and  
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, its  
successors and assigns, the entire right, title and interest in the application and the invention disclosed  
therein for the United States of America, including all divisions, and continuations thereof, and all Letters  
Patent of the United States that may be granted thereon, and all reissues thereof, and all countries foreign  
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. Patent  
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 deemed 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 LLP  
of 525 B Street Suite 2200, San Diego, CA 92101 to insert here in parentheses (Application number  
16/052,243 and Confirmation number 1066, filed August 1, 2018) the  
application number, confirmation number and filing date of said application when known.

LEGAL NAMES OF INVENTOR(S)

Date: July 3, 2018 | Yumi Fujii  
s/ Yumi FUJII