

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MITSURU KAWAKITA	02/22/2018
TAKUYA SUZUKI	02/18/2018
KENICHI FUKUNAKA	02/22/2018
YOSUKE SONODA	02/22/2018
SHIGERU TOJI	02/22/2018
MASAHIKO ARASHI	02/22/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	FUNAI ELECTRIC CO., LTD.
<b>Street Address:</b>	7-7-1, NAKAGAITO
<b>City:</b>	DAITO, OSAKA
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	574-0013
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15909121
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	FN-US175501
<b>NAME OF SUBMITTER:</b>	DAVID L. TARNOFF
<b>SIGNATURE:</b>	/David L. Tarnoff/
<b>DATE SIGNED:</b>	03/01/2018

**Total Attachments: 4**

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# ASSIGNMENT

[Executed in Japan]

WHEREAS, Mitsuru KAWAKITA, a citizen of Japan, whose address is  
c/o Funai Electric Co., Ltd. 7-7-1, Nakagaito, Daito, Osaka, 574-0013, Japan.  
Tatkuya SUZUKI, a citizen of Japan, whose address is  
c/o Funai Electric Co., Ltd. 7-7-1, Nakagaito, Daito, Osaka, 574-0013, Japan.  
Kenichi FUKUNAKA, a citizen of Japan, whose address is  
c/o Funai Electric Co., Ltd. 7-7-1, Nakagaito, Daito, Osaka, 574-0013, Japan.  
Yosuke SONODA, a citizen of Japan, whose address is  
c/o Funai Electric Co., Ltd. 7-7-1, Nakagaito, Daito, Osaka, 574-0013, Japan.  
Shigeru TOJI, a citizen of Japan, whose address is  
c/o Funai Electric Co., Ltd. 7-7-1, Nakagaito, Daito, Osaka, 574-0013, Japan.  
Masahiko ARASHI, a citizen of Japan, whose address is  
c/o Funai Electric Co., Ltd. 7-7-1, Nakagaito, Daito, Osaka, 574-0013, Japan.  
 hereinafter referred to as the Assignor(s), have invented certain new and useful improvements in  
**CONTROL METHOD, TRANSMISSION DEVICE, AND RECEPTION DEVICE**  
 for which the Assignor(s) have executed an Application for United States Letters Patent

(X) Executed concurrently herewith  
 ( ) Serial No. \_\_\_\_\_ Filed \_\_\_\_\_

AND WHEREAS, FUNAI ELECTRIC CO., LTD. having its principal place  
 of business at 7-7-1, Nakagaito, Daito, Osaka, 574-0013, Japan  
 (hereinafter referred to as the Assignee), is desirous of acquiring the entire right, title, and interest  
 in and to said invention and said Application and in and to any Letters Patent or Patents, United  
 States or foreign as indicated below, to be obtained therefor and thereon:  
 NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which  
 is herewith acknowledged, the Assignor(s) sell, assign, and transfer, unto the Assignee, its  
 successors, legal representatives and assigns, the entire right, title, and interest in the United States  
 of America, and in all foreign countries, in, to and under said improvements, and said  
 Application, and all original, divisional, renewal, continuation, substitute, or reissue applications  
 thereof, including the right to sue and recover for any past infringement, and all rights of priority  
 from the filing of said Application; and the Assignor(s) hereby authorize and request the  
 Commissioner of Patents and Trademarks to issue all Letters Patent on said improvements or  
 resulting therefrom to said Assignee herein, as assignee of the entire interest therein, for the sole  
 use and behalf of said Assignee, its successors, and assigns, to the full end of the term or terms  
 for which Letters Patent or Patents may be granted.  
 Further, the Assignor(s) and their legal representatives, heirs, and assigns do hereby agree and  
 covenant without further remuneration that they will communicate to said Assignee, its  
 successors, legal representatives and assigns, any facts known to them respecting said  
 improvements whenever requested, and will testify in any interferences or other legal proceeding  
 in which any of said applications or Letters Patent may become involved, sign all lawful papers,  
 execute and deliver all divisional, continuing, reissue and other applications for Letters Patent on  
 said improvements and all assignments thereof to said Assignee or its legal representatives,  
 successors, or assigns, make all rightful oaths and generally do everything necessary to assist  
 said Assignee, its successors, legal representatives and assigns, to obtain and enforce proper  
 patent protection for said improvements in the U.S. and said countries, the expenses incident to  
 said applications to be borne and paid by said assignee.

The undersigned hereby grants the firm of **Global IP Counselors, LLP** the power to insert in this  
 Assignment any further identification which may be necessary or desirable to comply with the rules  
 of the U.S. Patent and Trademark Office for recordation of this Assignment.

IN TESTIMONY WHEREOF, the undersigned Assignor(s) have affixed their signatures.

This 22 day of February, 2018 Signature Mitsuru Kawakita  
 Mitsuru KAWAKITA

This \_\_\_\_\_ day of \_\_\_\_\_, 2018 Signature \_\_\_\_\_  
Takuya SUZUKI

This 22 day of February, 2018 Signature Kenichi FUKUNAKA  
Kenichi FUKUNAKA

This 22 day of February, 2018 Signature Yosuke SONODA  
Yosuke SONODA

This 22 day of February, 2018 Signature Shigeru TOJI  
Shigeru TOJI

This 22 day of February, 2018 Signature Masahiko ARASHI  
Masahiko ARASHI

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## ASSIGNMENT

[Executed in Japan]

WHEREAS, Mitsuru KAWAKITA, a citizen of Japan, whose address is c/o Funai Electric Co., Ltd. 7-7-1, Nakagaito, Daito, Osaka, 574-0013, Japan.  
Tatkuya SUZUKI, a citizen of Japan, whose address is c/o Funai Electric Co., Ltd. 7-7-1, Nakagaito, Daito, Osaka, 574-0013, Japan.  
Kenichi FUKUNAKA, a citizen of Japan, whose address is c/o Funai Electric Co., Ltd. 7-7-1, Nakagaito, Daito, Osaka, 574-0013, Japan.  
Yosuke SONODA, a citizen of Japan, whose address is c/o Funai Electric Co., Ltd. 7-7-1, Nakagaito, Daito, Osaka, 574-0013, Japan.  
Shigeru TOJI, a citizen of Japan, whose address is c/o Funai Electric Co., Ltd. 7-7-1, Nakagaito, Daito, Osaka, 574-0013, Japan.  
Masahiko ARASHI, a citizen of Japan, whose address is c/o Funai Electric Co., Ltd. 7-7-1, Nakagaito, Daito, Osaka, 574-0013, Japan.  
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for which the Assignor(s) have executed an Application for United States Letters Patent

(X) Executed concurrently herewith  
( ) Serial No. \_\_\_\_\_ Filed \_\_\_\_\_

AND WHEREAS, FUNAI ELECTRIC CO., LTD. having its principal place of business at 7-7-1, Nakagaito, Daito, Osaka, 574-0013, Japan (hereinafter referred to as the Assignee), is desirous of acquiring the entire right, title, and interest in and to said invention and said Application and in and to any Letters Patent or Patents, United States or foreign as indicated below, to be obtained therefor and thereon:  
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is herewith acknowledged, the Assignor(s) sell, assign, and transfer, unto the Assignee, its successors, legal representatives and assigns, the entire right, title, and interest in the United States of America, and in all foreign countries, in, to and under said improvements, and said Application, and all original, divisional, renewal, continuation, substitute, or reissue applications thereof, including the right to sue and recover for any past infringement, and all rights of priority from the filing of said Application; and the Assignor(s) hereby authorize and request the Commissioner of Patents and Trademarks to issue all Letters Patent on said improvements or resulting therefrom to said Assignee herein, as assignee of the entire interest therein, for the sole use and behalf of said Assignee, its successors, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted.  
Further, the Assignor(s) and their legal representatives, heirs, and assigns do hereby agree and covenant without further remuneration that they will communicate to said Assignee, its successors, legal representatives and assigns, any facts known to them respecting said improvements whenever requested, and will testify in any interferences or other legal proceeding in which any of said applications or Letters Patent may become involved, sign all lawful papers, execute and deliver all divisional, continuing, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said Assignee or its legal representatives, successors, or assigns, make all rightful oaths and generally do everything necessary to assist said Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in the U.S. and said countries, the expenses incident to said applications to be borne and paid by said assignee.

The undersigned hereby grants the firm of **Global IP Counselors, LLP** the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

IN TESTIMONY WHEREOF, the undersigned Assignor(s) have affixed their signatures.

This \_\_\_\_\_ day of \_\_\_\_\_, 2018 Signature \_\_\_\_\_  
Mitsuru KAWAKITA

This 18th day of february, 2018 Signature Takuya Suzuki  
Takuya SUZUKI

This \_\_\_\_\_ day of \_\_\_\_\_, 2018 Signature \_\_\_\_\_  
Kenichi FUKUNAKA

This \_\_\_\_\_ day of \_\_\_\_\_, 2018 Signature \_\_\_\_\_  
Yosuke SONODA

This \_\_\_\_\_ day of \_\_\_\_\_, 2018 Signature \_\_\_\_\_  
Shigeru TOJI

This \_\_\_\_\_ day of \_\_\_\_\_, 2018 Signature \_\_\_\_\_  
Masahiko ARASHI

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