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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
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

RECEIVING PARTY DATA

Name:	FUNAI ELECTRIC CO., LTD.	
Street Address:	7-7-1, NAKAGAITO	
City:	DAITO, OSAKA	
State/Country:	JAPAN	
Postal Code:	574-0013	

PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	15909121		

CORRESPONDENCE DATA

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GLOBAL IP COUNSELORS, LLP DAVID TARNOFF **Correspondent Name:**

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ATTORNEY DOCKET NUMBER:	FN-US175501
NAME OF SUBMITTER:	DAVID L. TARNOFF
SIGNATURE:	/David L. Tarnoff/
DATE SIGNED:	03/01/2018

Total Attachments: 4

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FN-US175501 (16-0134US00)

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
and the formulation
(X) Executed concurrently herewith () Serial NoFiled
() Serial No
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 second of th
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.
of the U.S. Patent and Trademark Office for recordation of this Assignment.
IN TESTIMONY WHEREOF, the undersigned Assignor(s) have affixed their signatures.
411 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
This day of February , 2018 Signature Hitsury Kawakita Mitsury KAWAKITA
Mitsuru KAWAKITA

This _		_ day of	, 20 <u>18</u>	Signature	Takuya SUZUKI
This _	22	_ day of	february , 20 <u>18</u>	Signature	Kenichi FUKUNAKA Kenichi FUKUNAKA
This _	22	_ day of	February, 2018	Signature	Yosuke SONODA Yosuke SONODA
This _	22	_ day of _	February , 20 <u>18</u>	Signature	Shigery TOJI Shigery TOJI
This _	22	_ day of _	February, 20 <u>18</u>	Signature_	Masahiko ARASHI Masahiko ARASHI

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FN-US175501 (16-0134US00)

ASSIGNMENT

c/o Funai Ele Tatkuya SUZ c/o Funai Ele Kenichi FUKI c/o Funai Ele Yosuke SONC c/o Funai Ele Shigeru TOJI c/o Funai Ele Masahiko AR c/o Funai Ele hereinafter re	Ittsuru KAWAKITA, a citic ctric Co., Ltd. 7-7-1, Nal UKI, a citizen of Japan, vetric Co., Ltd. 7-7-1, Nal JNAKA, a citizen of Japan, vetric Co., Ltd. 7-7-1, Nal DDA, a citizen of Japan, vetric Co., Ltd. 7-7-1, Nal, a citizen of Japan, who extric Co., Ltd. 7-7-1, Nal, a citizen of Japan, who extric Co., Ltd. 7-7-1, Nal, a citizen of Japan, extric Co., Ltd. 7-7-1, Nal, a citizen of Japan, extric Co., Ltd. 7-7-1, Nal, a citizen of Japan, extric Co., Ltd. 7-7-1, Nal	kagaito, Daito, whose address kagaito, Daito, n, whose address kagaito, Daito, se address kagaito, Daito, whose address kagaito, Daito, whose address kagaito, Daito, (s), have inventionally of the second s	Osaka, 574-00 is Osaka, 574-00 ss is Osaka, 574-00 is Osaka, 574-00 Osaka, 574-00 s is Osaka, 574-00 ted certain new VICE, AND RI	13, Japan, 13, Japan, 13, Japan, 13, Japan, 13, Japan, 13, Japan, 7 and useful improvements in
(X) ()	Executed concurrently Serial No.		·	•
of business a (hereinafter in and to said States or fore NOW, THER; is herewith a successors, le of America, Application, thereof, inclustrom the fill Commissioner esulting their use and behalf or which Le Further, the covenant wis successors, improvement in which are execute and said improve successors, said Assigned patent prote	I invention and said Appign as indicated below, ign as indicated below, ign as indicated below, ign as indicated below, ign acknowledged, the Assigner and in all foreign courand all original, division ding the right to sue aring of said Application or of Patents and Traderefrom to said Assignee alf of said Assignee, its exters Patent or Patents in Assignor(s) and their legal representatives is whenever requested, any of said applications deliver all divisional, continuous and all assignments and all assignments and all assignments is successors, legal	Daito, Osaka, 5' nee), is desirou- lication and in- to be obtained valuable cons- ignor(s) sell, assigns, the er ntries, in, to nal, renewal, nd recover for n; and the A- marks to iss- herein, as assi- as successors, a may be granted egal representa- eration that and assigns, nd will testify or Letters Pate ntinuing, reissi- ents thereof to rightful oaths al representative ments in the U-	s of acquiring and to any Let therefor and the ideration, the assign, and ntire right, title and under continuation, sany past infrirates and assigns, to twee the error and assigns, to any facts in any interferent may become and other are said Assigned and generally the said assigned and said control and said c	the entire right, title, and interest tters Patent or Patents, United
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 TESTIMOI	NY WHEREOF, the under	rsigned Assigno	or(s) have affixe	ed their signatures.
This	day of	, 20 <u>18</u>	Signature	Mitsuru KAWAKITA

This _	18th	day of february	, 20 <u>18</u>	Signature	Takuya Suzuki
This _	-	day of	, 20 <u>18</u>	Signature	Kenichi FUKUNAKA
This _		day of	, 20 <u>18</u>	Signature	Yosuke SONODA
This _		day of	, 20 <u>18</u>	Signature	Shigeru TOJI
This _		day of	, 20 <u>18</u>	Signature	Masahiko ARASHI

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