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U.S. DEPARTMENT OF COMMERCE  
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113005

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

## 1. Name of conveying party(ies):

Hirokazu Suzu

Additional name(s) of conveying party(ies) attached?

☐ Yes☒ No

## 3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: November 25, 2005

## 2. Name and address of receiving party(ies)

Name: Funai Electric Co., Ltd.

Internal Address:

Street Address:

7-1, Nakagaito 7-chome  
Daito-shi, Osaka 574-0013  
JAPAN

City:

State:

Zip:

Additional name(s) &  
address(es) attached:☐ Yes☒ No

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the new application is: November 25, 2005

A. Patent Application No.(s):

This application

B. Patent No.(s):

Additional numbers attached?

☐ Yes☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Jonathan P. Osha  
OSHA · LIANG LLP

Internal Address: Atty. Dkt.: 04536/113001

Street Address:

1221 McKinney St., Suite 2800

City:  
Houston

State: TX Zip: 77010

## 6. Total number of applications and patents involved:

1

## 7. Total fee (37 CFR 3.41)

\$ 40.00

☐ Enclosed☐ Authorized to be charged to deposit account☒ Authorized to be charged to credit card  
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## 8. Deposit account number:

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## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Thomas Scherer #45,079

Name of Person Signing

  
Signature

November 30, 2005

Date

Total number of pages including cover sheet, attachments, and documents: 4

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PATENT  
REEL: 017285 FRAME: 044712/05/2005 SS17H1B1 00000039 11291676  
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## ASSIGNMENT

### 譲渡証

本証末尾に署名した者（以下、「発明者」という）  
は、適正・相当な対価を受領しており、それが十分な  
対価であることを認識した上で、

（氏名または組織名）

（住所）

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という名称で知られ、アメリカ合衆国において末尾署  
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きはそれに対する、本譲渡が行われなかった場合に  
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な所有権を意味する。

For good and valuable consideration, the  
receipt and sufficiency of which are hereby  
acknowledged, the undersigned individual(s) (referred  
to herein as "INVENTOR(S)") hereby assign, transfer  
and set over to:

FUNAI ELECTRIC CO., LTD.

having the following address:

7-1, Nakagaito 7-chome, Daito-shi,  
Osaka 574-0013 Japan

(referred to herein as "COMPANY"), its successors and  
assigns, the entire right, title, and interest for the  
United States of America (including without limitation  
its territories and possessions) in and to the invention  
known by the following title:

Broadcast Receiver Receiving  
Broadcasts Utilizing Variable  
Directional Antenna

for which the undersigned has/have executed an  
application for patent in the United States of America  
(referred to herein as "INVENTION"), together with  
said patent application, all divisions, continuations,  
continuations-in-part, reissues, and extensions thereof,  
and all United States Letters Patent which may be  
granted therefor. Such interest represents the entire  
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for the full and entire term for which such Letters  
Patent may be granted or extended, as fully and  
entirely as the same would have been enjoyed by the  
INVENTOR(S) if this assignment had not been made.



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さらに、本証末尾に署名した発明者は、それぞれ、以下のとおり同意する。

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In addition, the undersigned INVENTOR(S) each hereby agrees:

1. To sign and execute any further documents which may be necessary or desirable, lawful and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;
2. To execute all papers and documents and to perform all lawful acts which may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
3. To perform all lawful affirmative acts which may be necessary to obtain the grant of a valid and enforceable patent to COMPANY;

The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

The undersigned INVENTOR(S) each hereby grants to the firm of OSHA • LIANG LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for the recordation of this document.



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以上を確認の上、下記の者が下記署名に並んで記  
された日に各自署名して本譲渡証を発効させた。

_____ 年月日	_____ (署名) 氏名 (楷書):
_____ 年月日	_____ (署名) 氏名 (楷書):
_____ 年月日	_____ (署名) 氏名 (楷書):
_____ 年月日	_____ (署名) 氏名 (楷書):
_____ 年月日	_____ (署名) 氏名 (楷書):
_____ 年月日	_____ (署名) 氏名 (楷書):

本譲渡証はアメリカ合衆国のいずれかの州の公証人  
または下記に署名する 2 名の証人の面前で署名され  
るものとする。

_____ 年月日	_____ (署名) 氏名 (楷書):
_____ 年月日	_____ (署名) 氏名 (楷書):

.....  
本譲渡証が特許申請書と同時に提出されなかった場  
合、下記識別情報が後に追加されるものとする。  
米国申請シリアル番号:  
申請日:  
.....

OL-Assign-JP.doc

IN WITNESS WHEREOF, this Assignment  
has been executed by each of the undersigned  
individuals on the date appearing by such individual's  
signature

November 25, 2005	Hirokazu SUZU
_____ Date	_____ Name: Hirokazu SUZU

_____ Date	_____ Name:
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_____ Date	_____ Name:
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_____ Date	_____ Name:
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_____ Date	_____ Name:
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_____ Date	_____ Name:
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This Assignment may be signed before a Notary Public  
for one of the States of the United States or before two  
witnesses who sign below:

_____ Date	_____ Name:
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_____ Date	_____ Name:
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Where this Assignment is not filed concurrently with the patent  
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Filing Date:  
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