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1. Name of conveying party(ies):
   Shigemasa TOMOMATSU

   Additional name(s) of conveying party(ies) attached?
   __ yes  X no

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, Japan
   City
   State
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3. Nature of Conveyance:
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   Execution Date: May 8, 2000

4. Application number(s) or patent number(s):
   If this document is being filed together with a new application, the execution date of
   the application is: May 8, 2000

   A. Patent Application No.(s)
   B. Patent No(s).

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5. Name and address of party to whom correspondence concerning document
   should be mailed:
   Evenson, McKeown, Edwards & Lenahan, P.L.L.C.
   1200 G Street, N.W., Suite 700
   Washington, D.C. 20005

6. Total number of applications and patents involved: __ 1

7. Total Fee (37 CFR 3.41):  $ 40.00
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   PATENT
   REEL: 010835  FRAME: 0286
ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto:

FUNAI ELECTRIC CO., LTD. of
7-1, Nakagaito 7-chome, Daito-shi,
Osaka, Japan

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to his invention relating to:

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Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns, or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

Each of the undersigned hereby grants the firm of EVENSON, MCKEOWN, EDWARDS & LENAHAAN, P.L.D.C., or any partner thereof, 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.

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May 8, 2000
(date) (signature of 1st inventor)

INVENTOR:
Citizenship:
Post Office Address/
Residence:

(date) (signature of 2nd inventor)