

12-20-2002



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

1. Name of conveying party(ies):

Ryuji HAYASHI

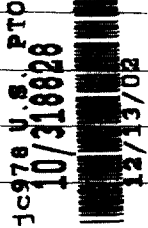
12/13/02

Additional names(s) of conveying party(ies) Yes No

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

Name: Funai Electric Co., Ltd.

Address: 7-1, Nakagaito 7-chome, Daito-shi



3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: December 6, 2002

City: Osaka State/Prov.:

Country: JAPAN ZIP:

Additional name(s) & address(es) Yes No

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

If this document is being filed together with a new application, the execution date of the application is: December 6, 2002

Patent Application No. Filing date

B. Patent No.(s)

Additional numbers Yes No

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

Name: Jonathan P. Osha

Registration No. 33,986

Address: ROSENTHAL & OSHA L.L.P.

1221 McKinney Street, Suite 2800

City: Houston State/Prov.: TX

Country: USA ZIP: 77010

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.....\$ 40.00

- Enclosed - Any excess or insufficiency should be credited or debited to deposit account
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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.

Jeffrey S. Bergman, Reg. No. 45,925

Jeffrey S. Bergman

12/13/02

Signature

Date

5

12/19/2002 Name of Registrant: ROSENTHAL & OSHA L.L.P.

40.00 number of pages including cover sheet, attachments, and

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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(発明の名称)

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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, 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:

TAPE LOADING APPARATUS AND TAPE RECORDER

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 ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, 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.

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 ROSENTHAL & OSHA L.L.P. 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.

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。

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

(署名)
年月日 氏名 (楷書) :

December 6, 2002
Ryuji HAYASHI

Date Print or Typed Name:
Ryuji HAYASHI

(署名)
年月日 氏名 (楷書) :

Date Print or Typed Name:

(署名)
年月日 氏名 (楷書) :

Date Print or Typed Name:

(署名)
年月日 氏名 (楷書) :

Date Print or Typed Name:

(署名)
年月日 氏名 (楷書) :

Date Print or Typed Name:

(署名)
年月日 氏名 (楷書) :

Date Print or Typed Name:

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名の証人の前で署名されるものとする。

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:

(署名)
年月日 氏名 (楷書) :

Date Print or Typed Name:

(署名)
年月日 氏名 (楷書) :

Date Print or Typed Name:

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:

Where this Assignment is not filed concurrently with the patent application, the following identifying information may be added after execution:
U.S. Application Serial No.:
Filing Date: