

11/23/99



HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS, WASHINGTON, D.C

SIR:

PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENT(S) OR COPY(IES) THERE.

101216437

I. NAME OF CONVEYING PARTY(IES)

Kazuo Yamashita
c/o Japan Radio Co., Ltd.
1-1 Shimorenjaku 5-chome, Mitaka-shi
Tokyo 181-8510, Japan;
Hironori Sakamoto
c/o Japan Radio Co., Ltd.
1-1 Shimorenjaku 5-chome, Mitaka-shi
Tokyo 181-8510, Japan;
Tomohiro Sanpei
c/o Japan Radio Co., Ltd.
1-1 Shimorenjaku 5-chome, Mitaka-shi
Tokyo 181-8510, Japan;
Tamaki Honda
c/o Japan Radio Co., Ltd.
1-1 Shimorenjaku 5-chome, Mitaka-shi
Tokyo 181-8510, Japan; and
Hiroshi Morita
c/o Japan Radio Co., Ltd.
1-1 Shimorenjaku 5-chome, Mitaka-shi
Tokyo 181-8510, Japan

Additional name(s) of conveying party(ies) attached? No

2. NAME(S) AND ADDRESS(ES) OF RECEIVING PARTY(IES)

Japan Radio Co., Ltd.
1-1 Shimorenjaku 5-chome, Mitaka-shi
Tokyo 181-8510, Japan;

Additional name(s) of receiving party(ies) attached? No

JC678 U.S. PTO
09/448057
11/23/99

3. NATURE OF CONVEYANCE

- Assignment
- Security Agreement
- Merger
- Change of Name
- Other

Execution Date:

November 12 and 15, 1999

09/448057

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: November 12 and 15, 1999

A. Patent Application No(s): _____

B. Patent No(s): _____

C. Issue Batch No.: _____

D. Issue Date: _____

Additional numbers attached? No.

5. NAME AND ADDRESS OF PARTY TO WHOM
CORRESPONDENCE CONCERNING DOCUMENT
SHOULD BE DIRECTED:

Matthew E. Connors, Esq.
Samuels, Gauthier & Stevens LLP
225 Franklin Street, Suite 3300
Boston, Massachusetts 02110
(617) 426-9180, Extension 112

6. TOTAL NUMBER OF APPLICATIONS
AND PATENTS INVOLVED: 1

7. TOTAL FEE DUE: \$40.00 (Enclosed)

If any additional fee(s) are due, the Commissioner is hereby authorized to charge the Deposit Order Account noted in item 8.

8. DEPOSIT ACCOUNT NUMBER: 19-0079

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.

12/06/1999 TT0111 00000037 09448057

01 FC:581
MATTHEW E. CONNORS
Name of Person Signing

40.00
Matthew E. Connors
Signature

11/23/99
Date

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as Express mail in an envelope addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Date: 11-23-99

Tracy O. Higgins
Tracy O. Higgins

ASSIGNMENT

Know all men by these presents that:

WHEREAS we, Kazuo YAMASHITA
Inventor Name

c/o Japan Radio Co., Ltd. of 1-1,
Shimorenjaku 5-chome, Mitaka-shi,
Tokyo 181-8510, Japan

Address

and Hironori SAKAMOTO
Inventor Name

c/o Japan Radio Co., Ltd. of 1-1,
Shimorenjaku 5-chome, Mitaka-shi,
Tokyo 181-8510, Japan

Address

and Tomohiro SANPEI
Inventor Name

c/o Japan Radio Co., Ltd. of 1-1,
Shimorenjaku 5-chome, Mitaka-shi,
Tokyo 181-8510, Japan

Address

and Tamaki HONDA
Inventor Name

c/o Japan Radio Co., Ltd. of 1-1,
Shimorenjaku 5-chome, Mitaka-shi,
Tokyo 181-8510, Japan

Address

and Hiroshi MORITA
Inventor Name

c/o Japan Radio Co., Ltd. of 1-1,
Shimorenjaku 5-chome, Mitaka-shi,
Tokyo 181-8510, Japan

Address

have made an invention for

INTERFERENCE CANCELING DEVICE

described in the application filed herewith in the United States Patent Office; and

WHEREAS Japan Radio Co., Ltd.
Assignee

a corporation duly organized and existing under the laws of
Japan and having a place of business at

1-1, Shimorenjaku 5-chome, Mitaka-shi,
Tokyo 181-8510, Japan

Address

for the benefit of itself, its successors and assigns, all inclusively hereinafter referred to as the Assignee, is desirous of acquiring the entire right, title and interest in and to the said invention, the said application, all inventions disclosed in said application and any and all Letters Patent of the United States and of all other countries which may be granted for the said invention or inventions, or any of them;

NOW, THEREFORE, for good and valuable consideration provided by said Assignee, the receipt whereof is hereby acknowledged, we do hereby sell, assign and transfer to the said Assignee the entire right, title and interest in and to the said invention, inventions and application, including all priority rights arising therefrom, all inventions disclosed in said application, and any and all Letters Patent of the United States, and of all other countries, together with the right to apply for such Letters Patent, which may be granted for the said invention, inventions or any of them,

TO HAVE, HOLD AND ENJOY the said invention, the said application, and the said Letters Patent, to said

Japan Radio Co., Ltd.

Assignee

its successors and assigns, to its and their own use and behoof to the full end of the term or terms for which the said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by us had this assignment and sale not been made.

AND we hereby authorize and request the Commissioner of Patents of the United States and the appropriate officers of all foreign patent offices to issue any and all Letters Patent which may be granted on the said application or applications above referred to, or for the said invention, or any of them, to the said Assignee in accordance with the terms of this instrument.

AND we hereby agree to execute and sign without further consideration any other legal document and any other assignments and any divisional, continuing, renewal, reissue or other application in and for all patents that may be appropriate and may be deemed necessary by the Assignee fully to secure to said Assignee its interests as aforesaid in and to the said invention or any part thereof and in and to the said patents or any of them.

AND we further covenant and agree that we will at any time upon request communicate to the said Assignee, its successors, assigns or other legal representatives, any facts known to us relating to the said invention and any patent that may be granted thereon, and will testify as to the same in any interference or litigation when requested to do so.

AND we hereby covenant for ourselves and our legal representatives that we have not hitherto assigned or granted any license to make, use or sell said invention, and that we will not henceforth purport to assign, license or execute any instrument to that effect in conflict with this assignment.

IN WITNESS WHEREOF, we have hereunto set our hands and seals on the dates below.

November 12, 1999

Date

Kazuo Yamashita

Signature

Kazuo YAMASHITA

Printed Name of Inventor

November 15, 1999

Date

Hironori Sakamoto

Signature

Hironori SAKAMOTO

Printed Name of Inventor

November 12, 1999

Date

Tomohiro Sanpei

Signature

Tomohiro SANPEI

Printed Name of Inventor

November 12, 1999

Date

Tamaki Honda

Signature

Tamaki HONDA

Printed Name of Inventor

November 15, 1999

Date

Hiroshi Morita

Signature

Hiroshi MORITA

Printed Name of Inventor