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**RECORDATION COVER SHEET
PATENTS**

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

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

Kozo Okuda

2. Name(s) and Address(es) of receiving party(ies):

SANYO ELECTRIC CO., LTD.
5-5, Keihanondori 2-chome, Moriguchi-shi,
Osaka 570-0083 JAPAN

3. Nature of conveyance: Assignment
Execution Date: February 25, 2000

4A. Patent Application No.(s): 09/508579
Application execution date : February 25, 2000

4B. Patent No.(s):

5. Name and Address of Party to whom correspondence regarding this document should be mailed:

Smith, Gambrell & Russell, LLP
Beveridge, DeGrandi, Weilacher & Young
Intellectual Property Group
1850 M Street N.W. (Suite 800)
Washington, DC 20036

202 659-2811

6. Total number of applications and patents involved : one

7. Total fee: \$40.00. (40.00 EP)
(Enclosed. Please charge any deficiency or refund any excess to counsel's deposit account.)

8. Deposit account no.: 02-4300

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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.

Name of Person Signing : Michael A. Makuch, Reg. No. 32,263

Signature:

Date: March 14, 2000

ASSIGNMENT DEED

This assignment agreement is applicable to an invention entitled (Invention Title) ECHO CANCELING METHOD, ECHO CANCELLER, AND VOICE SWITCH

The PATENT RIGHTS referred to in this agreement are:

- (check one) [X] a patent application for this invention, executed by the ASSIGNOR(S) concurrently with this assignment.
[] U.S. patent application Serial No. , filed
[] U.S. patent No. , issued

The PATENT RIGHTS also include all divisions, reissues, continuations and extensions of the patents and patent applications identified above.

The PATENT RIGHTS assigned under this agreement are:

- (check one) [X] U.S. patent rights only.
[] worldwide patent rights. In this case, the assignee shall have the right to claim the benefit of the filing date of any U.S. patent application identified above.

The ASSIGNOR(S) referred to in this agreement is (or are):

(Full name of sole or first inventor) KOZO OKUDA
(Address) 1-1-24-302, Meguri, Hirakata-shi, Osaka 573-1171 Japan

(Full name of second joint inventor, if any)
(Address)

(Full name of third joint inventor, if any)
(Address)

The ASSIGNEE referred to in this agreement is:

(Name of Assignee) Sanyo Electric Co., Ltd.
(Address of assignee) 5-5, Keihanhondori 2-chome, Moriguchi-shi, Osaka 570-0083 Japan

The ASSIGNEE is:

- (check one) [] An Individual.
[] A Partnership.
[X] A Corporation of Japan (state or country)
[]

The ASSIGNOR(S), in consideration of \$1.00 paid by the ASSIGNEE, and other good and valuable consideration, receipt of which is acknowledged, have and do hereby assign the following to the ASSIGNEE; its successors and assigns:
the full and exclusive right to the invention;
the entire right, title and interest in and to the PATENT RIGHTS;
the right to sue and recover for any past infringement; and
the right to claim priority under 35 USC 119, based on any earlier foreign applications for this invention.

As to all U.S. patent applications assigned under this agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE as the assignee of the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE, its successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE, or its representatives, any facts know to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention.

Signature of sole or first inventor: KOZO OKUDA Date: February 25, 2000
Signature of second inventor, if any Date:
Signature of third inventor, if any Date: