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JC136 U.S. PTO  
09/20/160  
11/30/98

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TO THE ASSISTANT COMMISSIONER  
FOR PATENTS  
WASHINGTON, D.C. 20231  
BOX ASSIGNMENT

Attorney  
Reference: SATKO 4507.01

11-30-98

REQUEST FOR RECORDING AND COVER SHEET UNDER 37 C.F.R. 3.28 AND 3.31

Please record the attached original document(s) or copy(ies) thereof.

1. Name of parties conveying the interest: Toshio KATO and Atsushi SHIMBO 09201160
2. Name and address of party receiving the interest:  
Oki Electric Industry Co., Ltd  
7-12, Toranomom 1-chome, Minato-ku, Tokyo, Japan
3. Description of the interest conveyed or transaction to be recorded:  
[X] Assignment [ ] Other:
4. Application Number: To be Assigned  
Patent Number:  
Registration Number:  
[X] Document filed together with a patent application executed on  
November 6, 1998
5. Address correspondence concerning this request to: SPENCER & FRANK  
Suite 300 East, 1100 New York Avenue, N.W., Washington, D.C. 20005-3955
6. Number of Applications, Patents or Registrations and total fee:  
Patents: 1 patent rights @ \$40 Total: \$40.00  
If no fee is attached, or if a greater or lesser fee is required, please charge or credit our Account No. 19-3700.
7. Date of execution of document: November 6, 1998
8. If document is an assignment of a trademark right to an assignee who is not domiciled in the United States, such assignee has designated a domestic representative  
[ ] per attached designation [ ] other:
9. To the best of knowledge and belief of the undersigned, the foregoing information is true and correct and any attached copy is a true copy of the original document. 40.00 BP
10. Date: November 30, 1998

*Robert J. Frank*

Name: Robert J. Frank

Registration Number: 19,112

RJF/jh

WHEREAS Toshio KATO and Atsushi SHIMBO

hereinafter (collectively) referred to as the assignor, has invented a certain improvement relating to SPEECH TRANSMISSION AND RECEPTION SYSTEM FOR DIGITAL COMMUNICATION

for which said assignor has caused an application for United States Letters Patent to be prepared,

[ ] the inventor's declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office;

[ ] said application having been filed in the United States Patent and Trademark Office on \_\_\_\_\_, Serial Number [if known] \_\_\_\_\_;

[ ] said application having been filed under the Patent Cooperation Treaty on \_\_\_\_\_, Serial No. \_\_\_\_\_, the United States of America being designated.

AND WHEREAS Oki Electric Industry CO., Ltd. of

7-12, Toranomom 1-chome, Minato-ku, Tokyo, Japan

hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the entire and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

EXECUTED, this 6th day of November, 1998.

WITNESSES:

ASSIGNOR:

Signature: Junji Uehara  
Name: Junji UEHARA

Signature: Toshio Kato  
Name: Toshio KATO

Address: c/o Oki Electric Industry Co., Ltd.  
7-12, Toranomom 1-chome, Minato-ku, Tokyo, Japan

Signature: Haruhiro Shiino  
Name: Haruhiro SHIINO

Address: c/o Oki Electric Industry Co., Ltd.  
7-12, Toranomom 1-chome, Minato-ku, Tokyo, Japan

SPENCER & FRANK  
Washington, D.C.

Title: SPEECH TRANSMISSION AND RECEPTION SYSTEM FOR DIGITAL COMMUNICATION

EXECUTED, this 6th day of November, 1998.

WITNESSES:

ASSIGNOR:

Signature: Yuichi Takamiya  
Name: Yuichi TAKAMIYA

Signature: Atsushi Shimbo  
Name: Atsushi SHIMBO

Address: c/o Oki Electric Industry Co., Ltd.  
7-12, Toranomom 1-chome, Minato-ku, Tokyo, Japan

Signature: Tomoko Tanaka  
Name: Tomoko TANAKA

Address: c/o Oki Electric Industry Co., Ltd.  
7-12, Toranomom 1-chome, Minato-ku, Tokyo, Japan

EXECUTED, this \_\_\_\_\_ day of \_\_\_\_\_, 199\_\_\_\_\_.

WITNESSES:

ASSIGNOR:

Signature: \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Signature: \_\_\_\_\_  
Name: \_\_\_\_\_

Signature: \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

EXECUTED, this \_\_\_\_\_ day of \_\_\_\_\_, 199\_\_\_\_\_.

WITNESSES:

ASSIGNOR:

Signature: \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Signature: \_\_\_\_\_  
Name: \_\_\_\_\_

Signature: \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_