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RECORDATION COVER SHEET - PATENT APPLICATION

NAME OF CONVEYING PARTY : Katsuya SUZUKI and Hiroshi NAKAGIRI

NAME OF RECEIVING PARTY : Oki Electric Industry Co., Ltd.

ADDRESS OF RECEIVING PARTY : 7-12, Toranomon 1-chome, Minato-ku,

Tokyo, Japan

NATURE OF CONVEYANCE : Assignment of U.S. patent application

CONVEYANCE EXECUTION DATE : January 14, 1999

PATENT APPLICATION NO. : To Be Assigned

APPLICATION FILED TOGETHER
WITH THIS DOCUMENT : Yes

APPLICATION EXECUTION DATE : January 14, 1999

CORRESPONDENCE ADDRESS : RABIN & CHAMPAGNE, P.C.

1725 K Street, N.W., Suite 1111

Washington, D.C. 20006

ATTORNEY REFERENCE : FUJI 103

TOTAL NUMBER OF PATENTS

AND APPLICATIONS INVOLVED : One

TOTAL FEE PAID : \$40.00

METHOD OF PAYMENT : [X] Enclosed

[] Authorized to be charged to

deposit account

In the event there is attached hereto no check, or a check for an insufficient amount, please charge the tee to our Account No. 18-0002 and notify us accordingly.

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.

92/13/1777 HOMOGN

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Date

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(Registration No. 29,102)

SMR:lep

Total number of pages including cover sheet, attachments and document: 2

PATENT REEL: 9776 FRAME: 0338

Attorney Reference

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Katsuya SUZUKI and Hiroshi NAKAGIRI of c/o Oki Electric Industry Co., Ltd., 7-12, Toranomon 1-chome, Minato-ku, Tokyo, Japan

hereinafter referred to collectively as the assignor, has invented a certain improvement

relating to NOISE ELIMINATED DIGITAL WIRELESS TRANSCEIVER APPARATUS [X] 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 ____, authorization being hereby given to my attorneys, Steven M. Rabin, Thomas M. Champagne, and Robert H. Berdo, Jr. of RABIN & CHAMPAGNE, P.C., 1725 K Street, N.W., Washington, D.C. 20006, to insert here in parentheses (Application Serial No.________) the application serial number of said application when 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, Toranomon 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 full 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 and 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.

7-12, Toranomon 1-chome, Minato-ku, Tokyo, Japan Signature: Louding Hosodo Signature: Idinshi Makagini Name: K. HOSODA Name: Hiroshi NAKAGIRT Address: c/o Oki Electric Industry Co., Ltd., 7-12, Toranomon 1-chome, Minato-ku, Tokyo, Japan RABIN & CHAMPAGNE, P.C., Washington, D.C.

RECORDED: 02/09/1999

PATENT REEL: 9776 FRAME: 0339