

05-03-1999



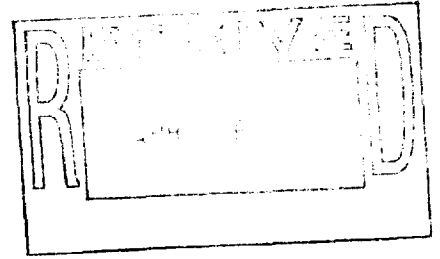
101025548

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECORDATION COVER SHEET

Commissioner of Patents and Trademarks  
Box Assignments  
Washington, D.C. 20231



Sir:

Please record the attached original document or copy thereof.

1. Name of conveying parties: Naofumi ADACHI, Teru  
SAITOU, Akira OOTAKE,  
Yoshihito TAKESHIMA  
and Ryouji TERADA

2. Name and address of receiving party:

AIWA CO., LTD.  
2-11 Ikenohata 1-chome  
Taito-ku, Tokyo 110  
JAPAN

3. The conveyance is an ASSIGNMENT and was executed on  
October 5, 1998.

4. Properties affected: U.S. Patent Application NO.  
09/155,267 filed September 23, 1998 for PORTABLE TERMINAL  
EQUIPMENT

5. Correspondence regarding the document should be  
mailed to the address at the bottom of this cover sheet.


6. Total number of properties affected: 1

7. A check including the amount of \$40.00 for the fee  
under 37 CFR 3.41 is enclosed.

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.

Respectfully submitted,

  
Penelope Stockwell, Admin. Asst.

  
Date

SMITH-HILL AND BEDELL, P.C.  
12670 N.W. Barnes Road, Suite 104  
Portland, Oregon 97229  
Tel. (503) 574-3100  
Fax (503) 574-3197

1779

05/03/1999 INVENTEN 00000004 09153267  
10.00 DP  
01 FC:581

PATENT  
REEL: 9914 FRAME: 0677

# ASSIGNMENT - PATENT APPLICATION

WHEREAS, I/We, Naofumi Adachi of c/o AIWA Co., Ltd., 2-11, Ikenohata 1-chome, Taito-ku, Tokyo 110, Japan, Teru Saitou of c/o AIWA Co., Ltd., 2-11, Ikenohata 1-chome, Taito-ku, Tokyo 110, Japan, Akira Ootake of c/o AIWA Co., Ltd., 2-11, Ikenohata 1-chome, Taito-ku, Tokyo 110, Japan, Yoshihito Takeshima of c/o AIWA Co., Ltd., 2-11, Ikenohata 1-chome, Taito-ku, Tokyo 110, Japan and Ryouji Terada of c/o AIWA Co., Ltd., 2-11, Ikenohata 1-chome, Taito-ku, Tokyo 110, Japan have invented certain new and useful improvements in Portable Terminal Equipment for which an application for United States Letters Patent was signed on even date herewith; and

WHEREAS, AIWA Co., Ltd. of 2-11, Ikenohata 1-chome, Taito-ku, Tokyo 110, Japan (hereinafter "Assignee") desires to acquire an interest therein and in the Letters Patent to be obtained therefor;

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are acknowledged, I/We hereby assign and transfer to Assignee, for the territory of the United States of America and all other countries, the entire right, title, and interest in and to said improvements and in and to said application and any Letters Patent that may be granted therefor in the United States and any other country including any division, continuation, substitute, renewal of reissue of said application or said Letters Patent.

I/We hereby agree to communicate to Assignee any facts known to me/us relating to said improvements, to testify as to the same in any interference or legal proceeding concerned therewith, to execute promptly and deliver to Assignee upon request any and all papers, instruments, declarations and affidavits required to apply for, obtain, maintain and enforce said Letters Patent, and generally to do everything necessary or desirable to vest and perfect title thereto in Assignee.

This assignment is binding upon me/us and my/our heirs, successors and personal representative, and shall inure to the benefit of Assignee, its successors, assigns and nominees.

IN TESTIMONY WHEREOF, I/We have hereunto set hand this

5th day of October, 1998.

INVENTOR(S):

Naofumi Adachi  
Naofumi Adachi

Teru Saito  
Teru Saitou

Akira Ootake  
Akira Ootake

Yoshihito Takeshima  
Yoshihito Takeshima

Ryouji Terada  
Ryouji Terada