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102554313

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Takeharu ARAKAWA

2. Name and address of receiving party(ies):

PIONEER CORPORATION

4-1, Meguro 1-chome, Meguro-ku, Tokyo, Japan

17497 U.S. PTO  
10/656159

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

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Date: August 19, 2003

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

10656159

If this document is being filed together with a new application, the execution date of the application is: August 19, 2003

A. Patent Application No.(s)

Not yet assigned

B. Patent No.(s)

Not yet assigned

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

SUGHRUE MION, PLLC

WASHINGTON OFFICE

23373

CUSTOMER NUMBER

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):

\$40.00

☒ Enclosed.

☐ Authorized to be charged to Deposit Account No. 19-4880.

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PATENT  
REEL: 014488 FRAME: 0084

# ASSIGNMENT

Whereas, I/we Takeharu ARAKAWA

of Saitama, Japan

hereinafter called assignor(s), have invented certain improvements in

COMMUNICATION TERMINAL APPARATUS, CONNECTION CONTROL METHOD

FOR THE APPARATUS AND PROGRAM FOR THE METHOD

and executed an application for Letters Patent of the United States of America therefor on

August 19, 2003; and

Whereas, PIONEER CORPORATION

of 4-1, Meguro 1-chome, Meguro-ku, Tokyo, Japan

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. § 119, and I/we request the Director – U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request my/our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213 to insert here in parentheses (Application number \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

Date: 8.19, 2003 s/ TAKEHARU ARAKAWA

Date: s/

Date: s/

Date: s/

Date: s/

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)