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OMB No. 0707-0021

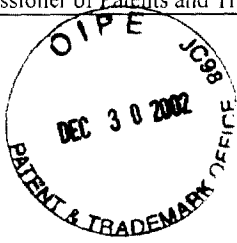
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**RDATION FORM COVER SHEET
PATENTS ONLY**

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

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

1. Name of conveying party(ies):
Tomo WATANABE
Tsuyoshi SATO
Tamami ODA



2. Name and address of receiving party(ies):
PIONEER CORPORATION
4-1 Meguro 1-chome, Meguro-ku Tokyo-to, Japan

12-30-02

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

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: October 1, 2002, October 1, 2002 and October 2, 2002

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

4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is:
A. Patent Application No.(s)
10/259,565

B. Patent No.(s)

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

PATENT TRADEMARK OFFICE

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.
The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

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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.

Darryl Mexic
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December 30, 2002
Date

Total number of pages including cover sheet, attachments, and documents: 2
Mail documents to be recorded with required cover sheet information to:
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Washington, D.C. 20231

For Non-U.S. Clients

Assignment

Whereas, I/We, Tomo WATANABE, Tsuyoshi SATO and Tamami ODA of Tsurugashima-shi, Saitama-ken, Japan

hereinafter called assignor(s), have invented certain improvements in COMMUNICATION NAVIGATION SYSTEM, INFORMATION SERVER UNIT AND COMMUNICATION TERMINAL UNIT FOR THE SAME, AND METHOD AND PROGRAM FOR COMMUNICATION NAVIGATION

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

Whereas, PIONEER CORPORATION of No. 4-1
Meguro 1-chome, Meguro-ku
Tokyo-to, 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 our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number 10/259,565 and Confirmation number _____, filed September 30, 2002) the filing date and application number of said application when known.

Date: 10.1.2002 Tomo WATANABE
s/

Date: 10.1.2002 TSUYOSHI SATO
s/

Date: 10.2.2002 Tamami ODA
s/

Date: _____
s/

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