

05-29-2003

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Form PTO-1595 (modified)  
(Rev. 03/01)  
OMB No. 0651-0027

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Atsuhiko FUKUSHIMA  
Toru FUJITA



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

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Meguro-ku, Tokyo, Japan

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

A. Patent Application No.(s)  
10/232,818

B. Patent No.(s)

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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

- Previously submitted on November 18, 2002
- Enclosed.
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**PATENT**  
**REEL: 014101 FRAME: 0383**

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Form PTO-6595 (modified)  
(Rev. 03/97)  
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**SHEET** U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

To the Honorable Commission

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
Atsuhiko FUKUSHIMA  
Toru FUJITA  
  
Additional name(s) of conveying party(ies) attached?  Yes  No

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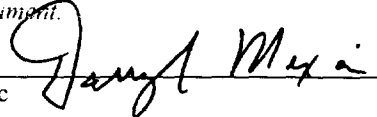
5. Name and address of party to whom correspondence concerning document should be mailed:  
SUGHRUE MION, PLLC  
2100 Pennsylvania Avenue, N.W.  
Suite 800  
Washington, D.C. 20037-3213

6. Total number of applications and patents involved:  
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7. Total fee (37 CFR 3.41): \$40.00  
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**PATENT**  
**REEL: 014101 FRAME: 0384**

# Assignment

Whereas, I/We, Atsuhiko FUKUSHIMA and Toru FUJITA of Saitama, Japan

hereinafter called assignor(s), have invented certain improvements in  
COMMUNICATION NAVIGATION SYSTEM AND METHOD, PROGRAM STORAGE DEVICE AND COMPUTER DATA  
SIGNAL EMBODIED IN CARRIER WAVE

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

Whereas, PIONEER CORPORATION  
No. 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 our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number 10/232,818 and Confirmation number \_\_\_\_\_, filed September 3, 2002) the filing date and application number of said application when known.

Date: 10.12.2002 Atsuhiko Fukushima  
s/

Date: Oct. 15, 2002 Toru Fujita  
s/

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)