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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
Tamami ODA
Tsuyoshi SATO
Yukitaka SAITO

12-31-02

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

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

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 18, 25, 18 and 22, 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)
10/281279

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.

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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.

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December 31, 2002

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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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01/07/2003 GTONIX 00000174 10281279

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PATENT
REEL: 013624 FRAME: 0284

ASSIGNMENT

Whereas, I/we Tomo WATANABE, Tamami ODA, Tsuyoshi SATO and Yukitaka SAITO all of Saitama, Japan

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

ROAD STATUS DATA PROVIDING SYSTEM

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

October 18, October 22 and October 25, 2002 ;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 10/281,279, filed October 28, 2002) the filing date and application number of said application when known.

Date: 10.18, 2002 s/ Tomo WATANABE

Date: 10.25 2002 s/ Tamami ODA

Date: 10.18.2002 s/ Tsuyosh. Sato

Date: 10.22 . 2002 s/ YUKITAKA SAITO

Date: s/ _____

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