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To the Honorable Commissioner of

102306957

ed original documents or copy thereof.

1. Name of conveying party(ies):

Kenichiro YANO
 Motoyuki YAMASHITA
 Koji KOGA
 Motohiko TAKAYANAGI

2. Name 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

MRD 12/3/02

Execution Date: November 11, 2002, November 11, 2002,
 November 12, 2002, and November 12, 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: November 11, 2002,
 November 11, 2002, November 12, 2002, and November 12, 2002

A. Patent Application No.(s)

10308113

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

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.

Darryl Mexic

Reg. No. 23,063

December 3, 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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Box Assignment

Washington, D.C. 20231

12/09/2002 DBYRNE 00000110 10308113

01 FC:8021

40.00 DP

PATENT
 REEL: 013549 FRAME: 0964

ASSIGNMENT

Whereas, I/we Kenichiro YANO, Motoyuki YAMASHITA,
Koji KOGA and Motohiko TAKAYANAGI, all of Tokyo, Japan

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

NAVIGATION APPARATUS AND REROUTING METHOD

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

November 11, 2002 and November 12, 2002 ; and

Whereas, PIONEER CORPORATION of
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 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: NOV. 11, 2002 s/ Kenichiro Yano
Kenichiro YANO

Date: NOV. 11, 2002 s/ Motoyuki Yamashita
Motoyuki YAMASHITA

Date: NOV. 12, 2002 s/ Koji Koga
Koji KOGA

Date: Nov. 12, 2002 s/ Motohiko Takayanagi
Motohiko TAKAYANAGI

Date: s/ _____

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

RECORDED: 12/03/2002

PATENT
REEL: 013549 FRAME: 0965