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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):

Satoshi ODAGAWA  
Yasuteru KODAMA  
Motohiko TAKAYANAGI  
Motoyuki YAMASHITA

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

PIONEER CORPORATION  
No. 4-1 Meguro 1-chome, Meguro-ku, Tokyo-to, 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: June 4, 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: June 4, 2002

A. Patent Application No.(s)

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  
2100 Pennsylvania Avenue, N.W.  
Suite 800  
Washington, D.C. 20037-3213

## 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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## 9. Statement and signature.

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

June 10, 2002

Date

Total number of pages including cover sheet, attachments, and documents: 2

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06/18/2002 LNUELLER 00000131 10164596

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40.00 DP

**PATENT**  
**REEL: 012990 FRAME: 0237**

## Assignment

Whereas, I/We, Satoshi ODAGAWA and Yasuteru KODAMA of Tsurugashima-shi, ~~xx~~  
Saitama-ken, Japan; Motohiko TAKAYANAGI and Motoyuki YAMASHITA of Meguro-ku,  
Tokyo-to, Japan  
 hereinafter called assignor(s), have invented certain improvements in  
DRIVING PLAN PRODUCING DEVICE AND METHOD, AND NAVIGATION APPARATUS

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-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 \_\_\_\_\_ and Confirmation number \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

Date:	<u>June 4, 2002</u>	<u>Satoshi Odagawa</u>
	s/	
Date:	<u>June 4, 2002</u>	<u>Yasuteru Kodama</u>
	s/	
Date:	<u>June 4, 2002</u>	<u>Motohiko Takayanagi</u>
	s/	
Date:	<u>June 4, 2002</u>	<u>Motoyuki Yamashita</u>
	s/	
Date:	_____	_____
	s/	
Date:	_____	_____
	s/	

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