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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Honorable Commissioner of Patents

101401928

attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Yukihiro Terada; Masao Kinoshita;  
Hideshi Kakimoto; Hiroshi IsshikiAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: June 9, 2000

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

Name: Hitachi Zosen Corporation

Internal Address: \_\_\_\_\_

Street Address: 7-89, Nanko-kita 1-chome,Suminoe-ku, Osaka-shiCity: Osaka State: Japan ZIP: 559-0034Additional name(s) & address(es) attached: ☐ Yes ☒ No

## 4. Application number(s) or patent number(s): METHOD AND APPARATUS FOR MEASURING DISPLACEMENT OF OBJECT USING GPS

If this document is being filed together with a new application, the execution date of the application is: 06/09/00

A. Patent Application No.(s)

B. Patent No.(s)

09/599470Additional numbers attached: ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Christopher J. Fildes

Internal Address: \_\_\_\_\_

Fildes & Outland, P.C.  
Street Address: 20916 Mack Avenue, Suite 2City: Grosse Pointe Woods State: MI ZIP: 482366. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41) .....\$ 40.00☒ Enclosed☐ Authorized to be charged to deposit account

## 8. Deposit account number:

(Attach duplicate copy of this page if paying by deposit account)

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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.*Christopher J. Fildes

Name of Person Signing

Christopher J. Fildes  
SignatureJune 22, 2000

Date

Total number of pages including cover sheet, attachments, and document: 2Mail documents to be recorded with required cover sheet information to:  
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PATENT  
REEL: 010902 FRAME: 0338

# ASSIGNMENT

(1-5) Insert Name(s) of Inventor(s).

(1) Yukihiro Terada

(2) Masao Kinoshita

(3) Hideshi Kakimoto

(4) Hiroshi Isshiki

(5) \_\_\_\_\_

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(6) Insert name of Assignee(s)

(6) HITACHI Zosen CORPORATION

(7) Insert address of Assignee(s)

(7) 7-89, Nanko-kita 1-chome, Suminoe-ku, Osaka-shi, Osaka  
559-0034 Japan  
 (hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention, and all applications for patent and any Letters Patent which may be granted therefor, known as

(8) Insert Identification of Invention, such as Title, Case Number or Foreign Application No.

(8) METHOD AND APPARATUS FOR MEASURING DISPLACEMENT OF OBJECT  
Foreign Application or USING GPS  
Case No.

for which the undersigned has (have) executed an application for patent in the United States of America

(9) Insert Date of Signing of Application

(9) on June 9, 2000

(10) Alternative identification for filed applications

(10) U.S. applicants Serial Number \_\_\_\_\_  
 filed \_\_\_\_\_

1) The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient or essential to its full protection and title in and to the invention hereby transferred.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division or re-issue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

4) The undersigned agree(s) to communicate to the Assignee or representative thereof any facts known to me (us) respecting the invention and improvements thereof, and will, upon request, but without expense to me (us), testify in any legal proceedings regarding the invention.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

6) The undersigned hereby grant(s) the firm of Fildes & Outland the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

7) This Assignment shall be binding upon my (our) heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and /or assigns of the Assignee.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

(1) Date June 9, 2000 Name of Inventor Yukihiro Terada  
Yukihiro Terada

(2) Date June 9, 2000 Name of Inventor Masao Kinoshita  
Masao Kinoshita

(3) Date June 9, 2000 Name of Inventor Hideshi Kakimoto  
Hideshi Kakimoto

(4) Date June 9, 2000 Name of Inventor Hiroshi Isshiki  
Hiroshi Isshiki

(5) Date \_\_\_\_\_ Name of Inventor \_\_\_\_\_

Date June 9, 2000 Witness Takao Itagaki

Date June 9, 2000 Witness f. Harada