To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Yasuhiro Taruura

Additional name(s) of conveying party(ies) attached? [ ] Yes [ X ] No

3. Nature of Conveyance:
[ X ] Assignment
[ ] Merger
[ ] Security Agreement
[ ] Change of Name

Execution Date: September 25, 2001

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)
09/809,550

Additional numbers attached? [ ] Yes [ X ] No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Alan A. Limbach
Internal Address: Gray Cary Ware & Freidenrich LLP
1755 Embarcadero Road,
Palo Alto, CA 94303-3340
(650) 833-2433

6. Total number of applications and patents involved:

7. Total fee (37 CFR 3.41) . . . . . . . $ 40.00
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8. Deposit account number: 07-1896
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Docket No.: 2102430-900300

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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.

Alan A. Limbach (Reg. No. 39,749)
Name of Person Signing

Signature

Date

November 26, 2001

Total number of pages comprising cover sheet: [ 1 ]
ASSIGNMENT

WHEREAS, I, Yasuhiro Tamura, hereinafter referred to as "ASSIGNOR", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: Wireless Input Apparatus And Method Using A Three-Dimensional Pointing Device
Application (Declaration/Oath) Execution Date: September 25, 2001
Filing Date: March 14, 2001 Application No.: 09/809,550

WHEREAS, AP One System Co., Ltd., a corporation of Japan, 8th Floor, Kairaku Bldg., 24-16 Ueno 5-chome, Taito-Ku, Tokyo Japan hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in the said invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for One Dollar ($1.00) and other good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has sold, assigned and transferred, and by these presents does sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignor had this assignment and transfer not been made, to the full end and term of any such Letters Patent.

Assignor further agrees that he/she will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.

[Signature]

Date

Yasuhiro Tamura

GRAY CARY\EM/7085856.1
2102430-991010

RECORDED: 12/31/2001
PATENT
REEL: 012420 FRAME: 0013

28/9/01

Yasuhiro Tamura