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Commissioner for Patents: Please record the attached original documents or copy thereof.

Submission type:  New

Conveyance type:  Assignment

Conveying Party(ies):

Execution Date

First party Name: **Masahiko NAKAMURA** *October 10, 2000*  
(Last, First, Middle Initial)

Second party Name:

09/806517

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

Receiving Party (ies):

First party Name: **HOSIDEN CORPORATION**  
Address: 1-4-33, Kitakyuhoji, Yao-shi, Osaka 581-0071, Japan

Additional name(s) & address(es) attached? Yes  No

Domestic Representative Name and Address (Enter for the first Receiving Party only)

ARMSTRONG, WESTERMAN, HATTORI, McLELAND & NAUGHTON, LLP  
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**Pages** Enter the total number of pages of the attached conveyance document: 1  
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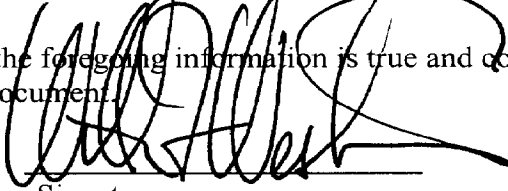
**Application Number(s) or Patent Number(s)** Additional numbers attached? Yes  No   
A. Patent Application No.(s)          B. Patent No.(s)           
##          ##         

If this document is being filed together with a new application, enter the date the application was signed by the first named executing inventor: October 10, 2000  
(Do not recite both application and patent numbers.)

**Patent Cooperation Treaty (PCT)** PCT PCT/JP00/05360  
Enter PCT application number only if PCT           
a U.S. Application Number has not been assigned PCT         

**Number of Properties** Enter the total number of properties involved: 1

**Fee Amount** Fee Amount for Properties Listed (37 CFR 3.41). . . . . \$40.00  
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**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.  
William F. Westerman   
Name of Person Signing Signature  
April 17, 2001 29,988  
Date Registration No.

Rev. 11/00

WFW/yap

### U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

(Insert ASSIGNEE's Name(s) Address(es))

Hosiden Corporation (representative Kenji Furuhashi), 1-4-33, Kitakyuhoji, Yao-shi, Osaka 581-0071, Japan

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

(Title of Invention)

MULTI DIRECTIONAL INPUT APPARATUS

(\*If the assignment is being filed after the filing of the application, this section must be completed)

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

\* filed on \_\_\_\_\_, Serial No. \_\_\_\_\_  
(**Armstrong, Westerman, Hattori, McLeland & Naughton** is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefor on said application or any continuation, divisional, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with the application and any continuation, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, divisional, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)

Masahiko Nakamura      MASAHIKO Nakamura      10 Oct, 2000  
(SIGNATURE)                      (TYPE NAME)                      (DATE)

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(SIGNATURE)                      (TYPE NAME)                      (DATE)

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NO LEGALIZATION REQUIRED