



(19) **United States**

(12) **Patent Application Publication** (10) **Pub. No.: US 2004/0243747 A1**

Rekimoto

(43) **Pub. Date: Dec. 2, 2004**

(54) **USER INPUT APPARATUS, COMPUTER CONNECTED TO USER INPUT APPARATUS, METHOD OF CONTROLLING COMPUTER CONNECTED TO USER INPUT APPARATUS, AND STORAGE MEDIUM**

(30) **Foreign Application Priority Data**

May 21, 2001 (JP) 2001-151499

Jun. 1, 2001 (JP) 2001-167250

Publication Classification

(51) **Int. Cl.⁷ G06F 13/12**

(52) **U.S. Cl. 710/72**

(76) **Inventor: Junichi Rekimoto, Tokyo (JP)**

Correspondence Address:

**William S Frommer
Frommer Lawrence & Haug
745 Fifth Avenue
New York, NY 10151 (US)**

(21) **Appl. No.: 10/478,541**

(22) **PCT Filed: May 21, 2002**

(86) **PCT No.: PCT/JP02/04875**

(57) **ABSTRACT**

A user input apparatus is provided with user input means for the user to input data or a command by using the user's human body, and use-form detection means for detecting a form in which the user uses the user input means by the user's human body. A computer connected to the user input apparatus changes the operation of the application being executed by application execution means, according to a detection result obtained by the use-form detection means. Therefore, input operations can be performed without inconvenience even if the user cannot use one hand due to another work.

