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United States Patent [19]

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Goto et al.

[45] Date of Patent: **Sep. 3, 1996**

[54] **CONTROLLER UNIT FOR ELECTRONIC DEVICES**

5-87778	11/1993	Japan .	
6-23148	2/1994	Japan	273/438
6-17070	3/1994	Japan .	
6-38137	5/1994	Japan .	

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[21] Appl. No.: **436,728**

[57] ABSTRACT

[22] Filed: **May 8, 1995**

A controller unit for controlling an electronic device such as a video game. The controller unit comprises a housing with a pair of handles diverging toward a user and gripped by the palms of the user, first and second control sections arranged on the top of the housing and each including a plurality of key elements, and third and fourth control sections arranged on the front side of the housing and each including upper and lower key elements. The first control section comprises a key body having a first semispherical recess on its bottom and a second semispherical recess on its top, a spherical fulcrum member located below the key body and engageable with the first recess, a base plate mounted in the housing and including fixed contacts, a resilient body disposed between the key body and the base plate and including movable contacts, and a key support centrally located at the key body and having a semispherical projection engageable with the second recess.

[30] Foreign Application Priority Data

May 9, 1994	[JP]	Japan	6-094988
Oct. 3, 1994	[JP]	Japan	6-238898

[51] Int. Cl.⁶ **A63F 9/22**

[52] U.S. Cl. **463/37; 345/169**

[58] Field of Search **273/148 B, 438, 273/85, 434, DIG. 28; 345/156, 161**

[56] References Cited

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22 Claims, 10 Drawing Sheets

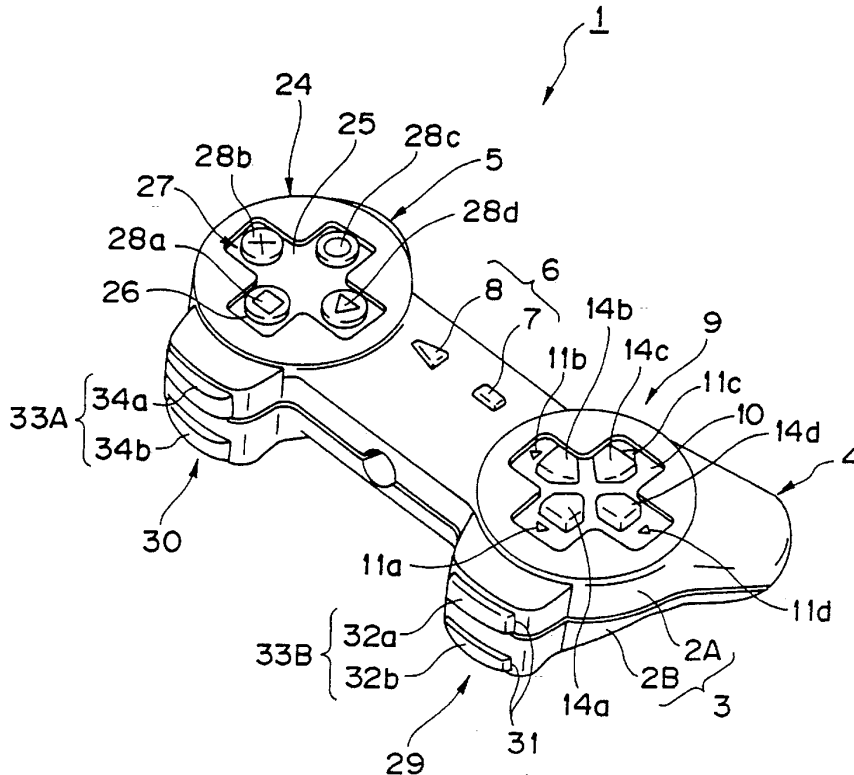


FIG. 1

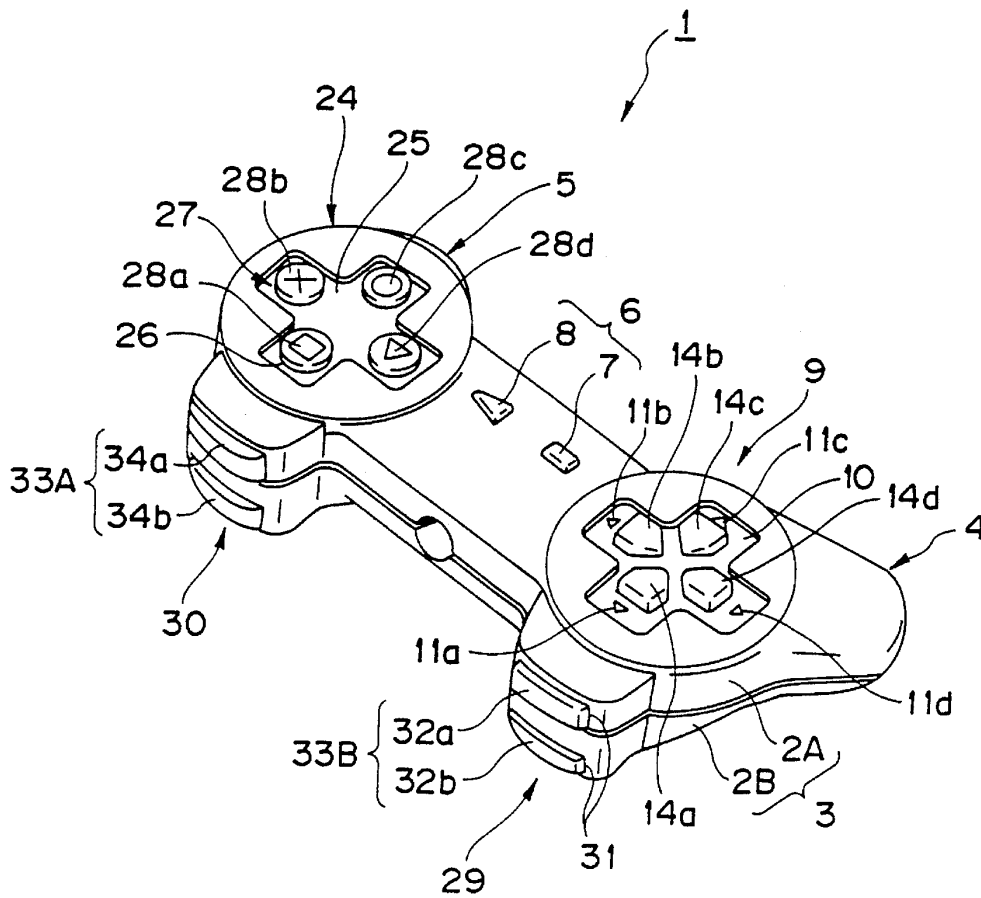


FIG. 2

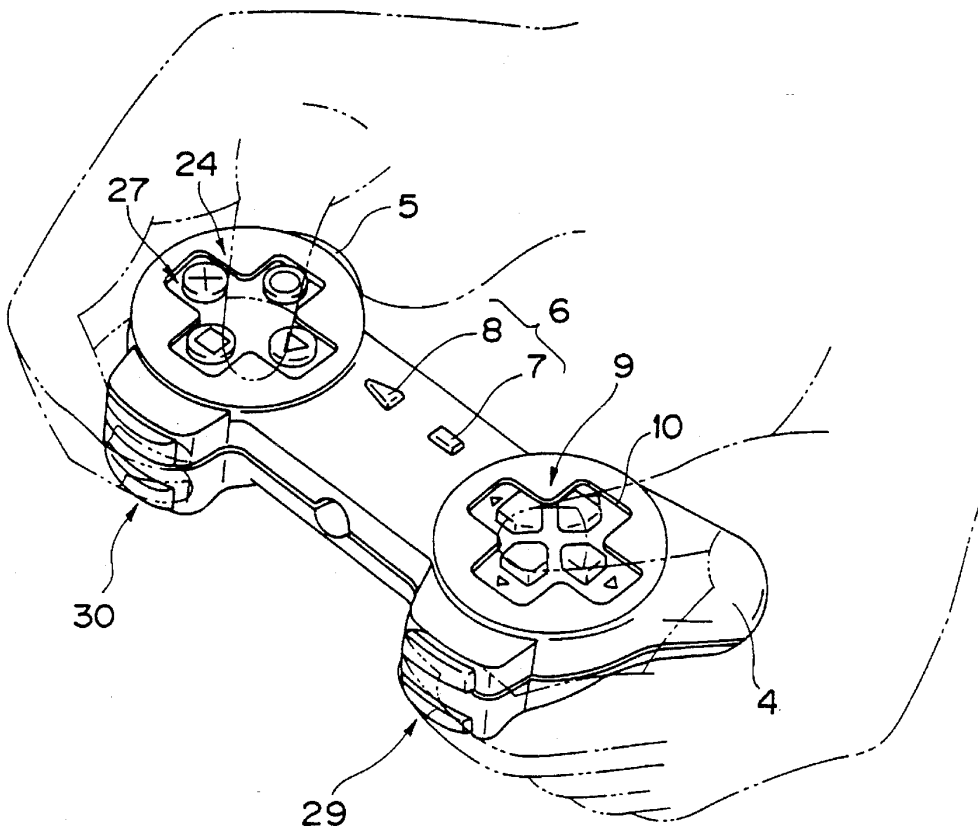


FIG. 3

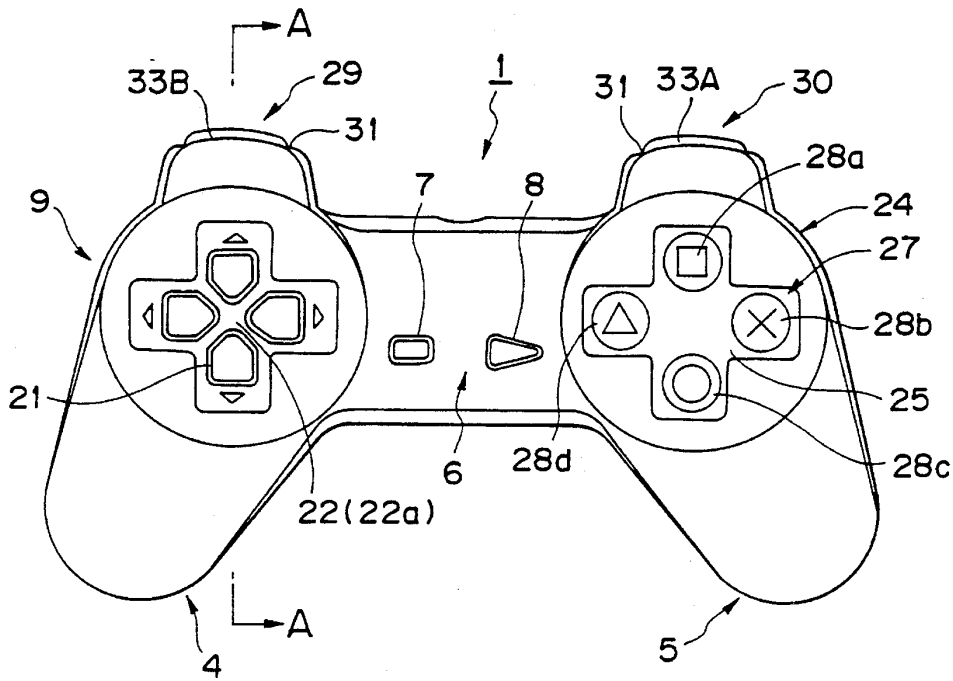


FIG. 4

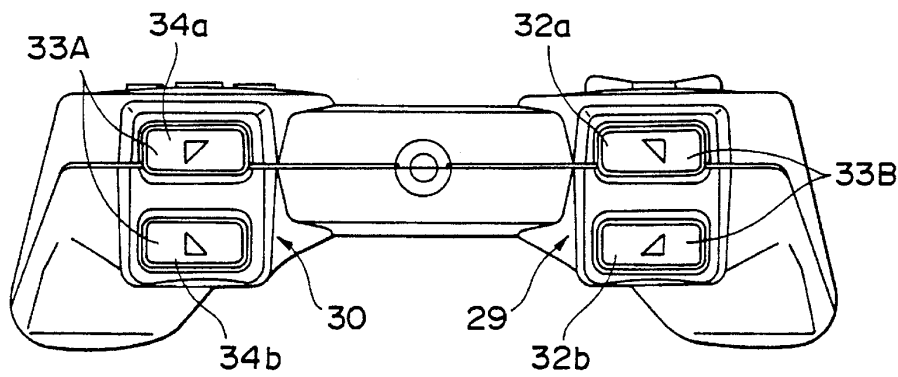


FIG. 5

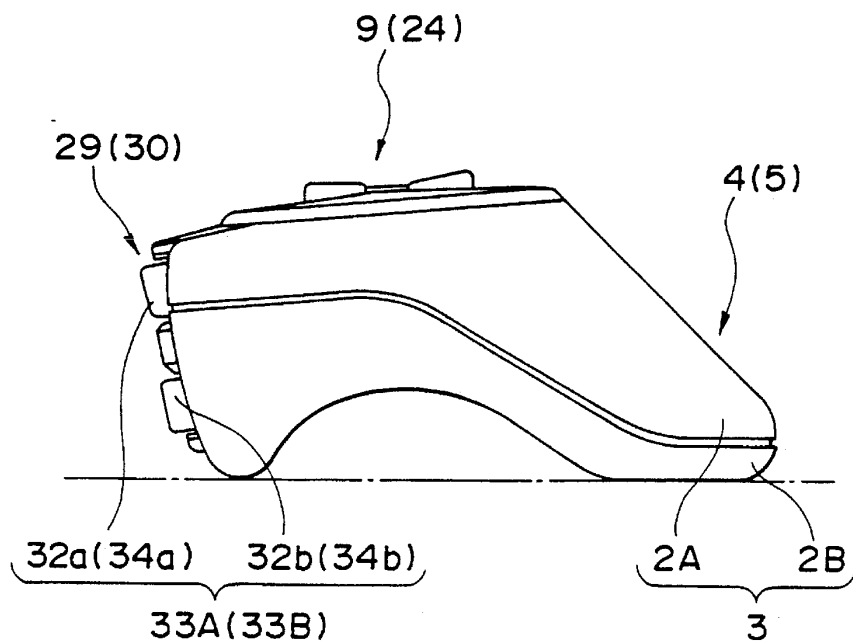
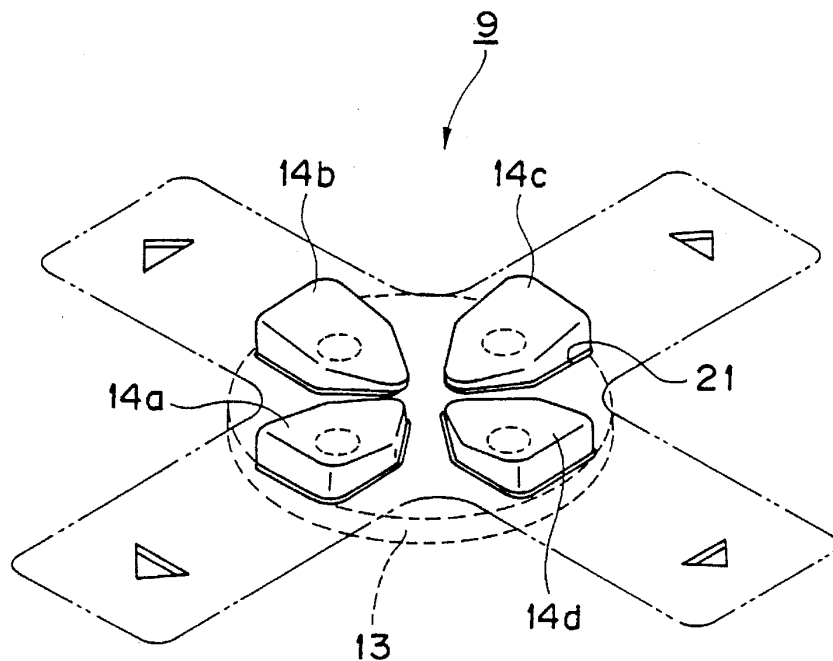


FIG. 6



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