An improved display device of brown ball comprises: lower body, supporting ring, rotary member and upper body, wherein, lower body has an emitter on the bottom, the emitter has inductive member, emit member, battery and switch member, and further comprises a receive member, the receive member has rectangular contour and has signal divert member, battery and switch member therein and has display screen thereon. The receive member can be fixed to a band to be convenient for user wear it on the wrist, user rotate the brown ball with another hand, the induce member of emitter induces and measures the rotate speed of brown ball, and the rotate speed be converted into sign by electrical member, and be emitted out with a prearranged frequency by emit member. The sign will be received by receive member and be converted into rotate speed by convert member to display the rotate speed of the brown ball on the display screen.
DISPLAY DEVICE OF BROWN BALL

SUMMARY OF THE PRESENT INVENTION

1. Field

2. Background

Please refer to FIG. 1 through FIG. 3, well-known brown ball 10 mainly comprises: a half-spherical plastic lower body 11; a supporting ring 12 disposed in the inertia of top of lower body 11; a rotary member 13 having an axis 131; a groove 132 is defined around the circle face of rotary member 13; the groove 132 having a hole 133; the rotary member 13 pivoted to supporting ring 12 by the two end of axis 131; and a transparent plastic upper body 14 disposed upon the lower body 11 and having a circle hole 141 on the top.

When player play the brown ball, as shown in FIG. 4, first insert one end 151 of a string 15 into the hole 133 of the rotary member 13, then, as shown in FIG. 5, press the rotary member 13 and push it by thumb to wrap string 15 into groove 132 along the direction as shown arrowhead 16 and left a little of the string 15 out, then, one hand takes the brown ball 10, another hand pull the string 15 out with a rash along the arrowhead 17 as shown in FIG. 6, then the rotary member 13 will be driven and rotates along the direction shown by arrowhead 18 in FIG. 7, then acenric power produced will drive the rotary member 13 and supporting ring 12 rotate along the direction shown by arrowhead 19 in FIG. 8, here, as shown in FIG. 9, user take (hold) the brown ball in the palm in time and rotate the palm and keep arm stable clockwise pivoted with point A, that will keep rotary member 13 in rotating state. Those will exam the stability of user. If user rotates the brown ball 13 hardly, the rotate speed of brown ball 13 will be higher, and will produce sound of buzz continuously, the highest speed of the brown ball 13 may be 8000 rad/min. When the user falls sour or tired of wrist, only need stop rotate the palm, the rotary member 13 will rotate slower gradually with the mold deceleration and will stop at last.

Recently, someone skilled in the art fixed a velocity display device on the bottom of brown ball 20 to induce the speed of the brown ball, but, as described above, the rotate speed may be thousands rad/min, as shown in FIG. 11, when user want see the rotate speed shown on display 200, because the rotate speed is very high so the user will not see the rotate speed clearly, in another words, the speed display device cannot realize the object to get to know the rotate speed.

SUMMARY

The present invention is to provide a speed display device of brown ball to assure user to get to know the rotate speed of brown ball rotating with a high speed.

The features, functions, and advantages of the present invention will be readily understood upon a thoughtful deliberation of the following detailed description of the two preferred embodiments of the present invention with reference to the accompanying drawings.
User can see the rotate speed of brown ball rotating in high speed by the present invention, the present invention make it convenient for user to record the fruit and can complete with others and that can increase the interest of the game.

Of course, if the user won't see the velocity, may turn off the switched of emitter 40 and receive member 50.

Please refers to FIG. 15 again, the principle of the present invention can be used in large-scale brown ball 70 or other style brown ball, receive member 80 also can be held in hand directly.

1. An improved rotate speed display device of brown ball comprising: lower body, supporting ring, rotary member and upper body, wherein,

   said lower body is generally half-spherical and defines an encasement therein and has an open thereon;
   said supporting ring disposed in inertia of top of said lower body;
   said upper body is also generally half-spherical and defines an encasement therein and has an open thereon, fixed on the top of lower body and has an open thereon;
   said rotary member is generally spherical and disposed in the said upper and lower body, has a latitude axis and pivoted on said supporting ring by two ends of said axis;

   wherein,

   lower body has a emitter on the bottom, said emitter has induce member, emit member, battery and switch member therein and has display screen thereon; user rotates the brown ball with hand, the induce member of emitter induces and measures the rotate speed of brown ball, and the rotate speed be converted into sign by electrical member, and be emit with a prearranged frequency by emit member, the sign will be received by receive member and be converted into rotate speed by convert member to display the rotate speed of the brown ball on the display screen.

2. The improved rotate speed display device of brown ball according to claim 1, wherein said lower body defines a sunk encasement on the bottom for encasing electrical member such as emitter, a cover enclose the encasement.

3. The improved rotate speed display device of brown ball according to claim 1 or 2, wherein said receive device can be fixed to a band to be convenient for user wearing on the wrist.

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