The automatic drink dispensing cup is of added commercial value to the food industry, adding an entertainment value to the drinking of refreshments.
AUTOMATION WATER ABSORPTION CUP
SPECIFICATION

[0001] This automatic drink dispensing cup is designed with a single one touch button that dispenses water to the top of a straw by a mechanism controlled by a built-in water pump using an electric motor.

BACKGROUND OF THE INVENTION

[0002] Drinking cups currently available function simply as drink retainers. Other inventors sharing similar design motivations focus on increasing the interest level for drinking, designing drink cups with built-in straws where the water distribution is controlled by a suction mechanism using air trapped in a sealed space.

BRIEF SUMMARY OF THE INVENTION

[0003] The automatic drink dispensing cup perfects the concept of automatic water distribution. For as long as the button on the unit is pressed in, water will continue to flow to the tip of the straw until the automatic drink dispensing cup is empty. Holding the button down triggers the motor and water pump to transfer liquid from the retaining area to the tip end of the straw.

BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWINGS

[0004] Figure one is a section view of the automatic drink dispensing cup which demonstrates the location and placement of the pipe/straw, the micro electric motor, and the miniature impeller water pump in relation to the cup. Figure two provides a bottom view of the automatic drink dispensing cup and shows the location of the batteries. Figure three is the perspective view of the cup looking from outside.

DETAILED DESCRIPTION OF THE INVENTION

[0005] The automatic drink dispensing cup includes one cup (2), one pipe/straw (1), one micro electric motor (3), one miniature impeller water pump (4), and 2 AA batteries (5) used to power the unit. The miniaturized impeller water pump (4) is located at the bottom of the cup (2) and is connected to the electric motor (3). The miniature impeller pump’s intake connects to the bottom of the cup retainer and its outlet is connected to the pipe/straw (1). The pipe/straw (1) is of spiral shape and surrounds the cup retainer. While the unit’s button is pressed, the miniature impeller water pump (4) pumps the liquid from the cup retainer and pumps the liquid to the pipe/straw (1).

1. The claim of the automatic drink dispensing cup is that the use of a water pump, motor, batteries, and a pipe/straw is unique in this formation as an individual serving method for refreshments.

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