

Reclining Sofa with Drinking vessel component fillable from the bottom and apparatus for dispensing a beverage therein

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Inventor(s):

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X0X0G0S1P

Abstract:

This invention is designed to provide people who have a physical disability, who are recovering from physical injuries, or who are too lazy to get up from the comfort of their reclining sofa with the luxury of being able of pouring their cup without spilling their beverage. This couch would be a hybrid of an ordinary couch and the mechanics of a typical Vessel activated beverage dispenser. However, this vessel activated beverage dispenser would have the technology where the drinking vessel fills from the bottom and apparatus within the vessel dispenses a beverage therein. This technology includes: (1) a graphical user interface, (2) a microprocessor, (3) a foundation and (4) (a) wall(s), which both form a chamber that allows the beverage to go in, and (5) a seal-able aperture provided next to the foundation for filling the said chamber with a beverage.

The user is allowed to interact with the graphical user interface, and to allow the user to select a beverage selection from the said interface via the said microprocessor that receives data to give and enforce instructions, and via motion of vessel, respectively. This is made possible by the plurality of data it receives.

Prior Art:

- [0001] US 3563287 A. Publication Date: Feb 16, 1971. Filling Date: Feb 3, 1969. Ruddick Maurice. Machines for filling beer kegs and like containers
- [0002] US 5064244 A. Publication Date: Nov 12, 1991. Filling Date: Jan 3, 1991. James Sproule. Reclining sofa

- [0003] US 3094250 A. Publication Date: Jun 18, 1963. Filling Date: Nov 17, 1960. Goldich David E, Molyneaux Robert J. Liquid-dispensing apparatus
- [0004] US 5913454 A. Publication Date: Jun 22, 1999. Filling Date: Apr 9, 1998. Jay T. McHale. Drink dispensing machine
- [0005] US 5312019 A. Publication Date: May 17, 1994. Filling Date: May 11, 1993. Ye-Ming Tsao. Dispenser having a refillable cup
- [0006] US 5409124 A. Publication Date: Apr 25, 1995. Filling Date: Dec 23, 1993. Maurice Nasrallah, Fred Sadeghi. Beverage container with bottom cavity
- [0007] US 20080223478 A1. Publication Date: Sep 18, 2008. Filling Date: Mar 18, 2008. Eerik Torm Hantsoo, Addison Newcomb Shelton. Method of and apparatus for the bottom-up filling of beverage containers
- [0008] WO 2005058745 A2. Publication Date: Jun 30, 2005. Filling Date: Dec 10, 2004. David J. Chodosh. Beverage container attachment
- [0009] US 8899281 B2. Publication Date: Dec 2, 2014. Filling Date: Feb 28, 2007. Charles Russell. Drinking vessel fillable from the bottom and apparatus for dispensing a beverage therein
- [0010] US 8757222 B2. Publication Date: Jun 24, 2014. Filling Date: Apr 26, 2010. Arthur G. Rudick, Louis Mattos, Jr., Nilton Antonio Moreira Mattos, Qiuchen Peter Zhang, H. Brock Kolls. Vessel activated beverage dispenser

Representative Drawing:

Figure 1: Design of the Drinking Vessel component fill-able from the Bottom and apparatus for dispensing a beverage therein

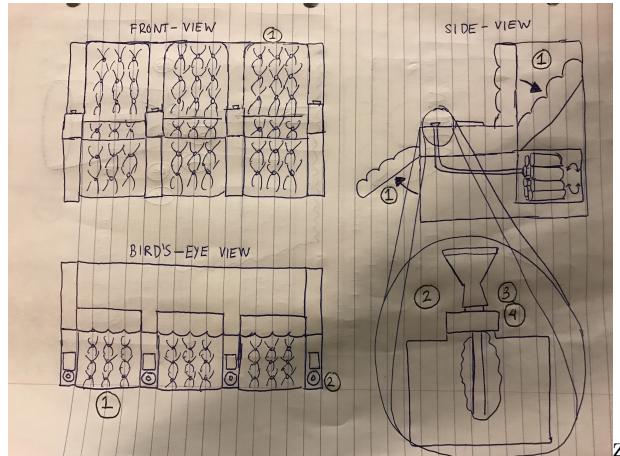


Figure 2: Usage of the Drinking Vessel component fillable from the Bottom and apparatus for dispensing a beverage therein PART 1

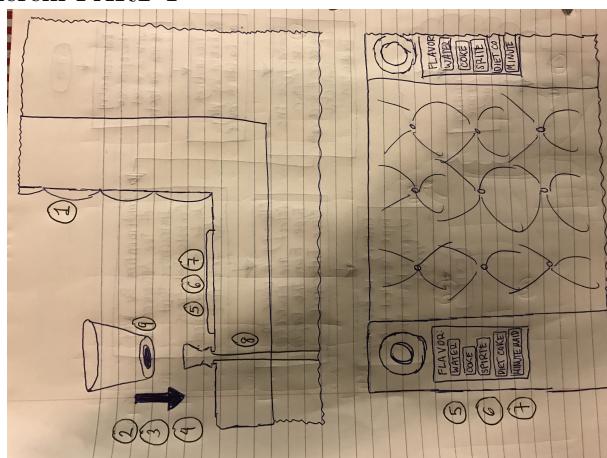
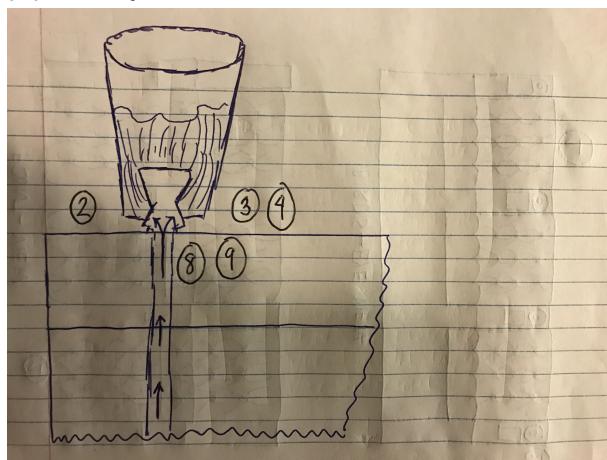


Figure 3: Usage of the Drinking Vessel component fillable from the Bottom and apparatus for dispensing a beverage therein PART 2



Description:

Technical Field: [0011] The invention relates to sofas and more particularly to sectional sofas having reclining seats incorporated into it, a user interface device, container activated, for use with a product dispenser, drinking vessels and, in particular, to glasses for various flavored beverages.

Background: [0012] Typical reclining sofas are used to relax on and lie on with the support of a reclining bed-like frame. Once situated, people will lose motivation to hydrate themselves or may not be able to retrieve a beverage from a variety of options in a close proximity. Meanwhile, typical drink dispensers often pour the beverage fluid above from the opening of the cup, leading to spills. Combining the reclining sofa patent with the fillable-beverage-cup-from-bottom-patent-with-the-vessel-activated-beverage-dispenser patent, this invention would provide more comfort for people dealing with physical disabilities or injuries,

dehydration, and laziness.

Summary: [0013] This invention is a hybrid of a reclining sofa and a drinking dispenser, which fills up the beverage cup from the bottom using a liquid apparatus to supply the desired beverage liquid and a specially designed cup with a container attachment at the bottom.

Figure 1 Description: [0014] This figure displays the overall design of the reclining sofa with drinking dispenser capabilities and the technology behind it.

Figure 2 Description: [0015] This figure displays how to use the multi-touch screen as well as the direction to attach the cup to the liquid dispenser.

Figure 3 Description: [0015] This figure displays how, once attached to the liquid apparatus, the cup will be filled from the bottom.

Detailed Description: [0016] Once seated, the user needs to activate the drinking dispenser aspect of the invention by touching the multi-touch screen and select among the options. Once selected, the user needs to attach the appropriate beverage cup with the detachable base to the liquid apparatus. Once done, the liquid will start to flow and fill the cup until the liquid within the cup almost hits the rim.

Claims:

1. A reclining sofa, with a stationary structure with head, seat and foot frames that are pivotally fixed on it, with a built-in product dispenser, comprising:
 - an apparatus for dispensing a beverage in combination with a drinking vessel for the beverage to prevent excessive head of foam/liquid.
2. The apparatus of claim 1, further comprising:
 - (a) a pressurized beverage supply that connects to an inlet portion,
 - (b) beverage dispense system using (an) arranged outlet portion(s), and
 - (c) a fluid path for said beverage provided by a conduit provided between said inlet portion and said outlet portion
3. The outlet portion of claim 2, further comprising its ability to dispense the beverage into the vessel through the sealable aperture, which is provided in or adjacent the drinking vessel's foundation.
4. The inlet portion of claim 2, further comprising the beverage to pass through it, since the apparatus is operable, to the outlet portion under pressure through said conduit such that in claim 3, in which automatic activation is provided by the apparatus to automatically dispensed said beverage
5. The built-in product dispenser of claim 1, further comprising a graphical user interface.
6. The graphical user interface of claim 5, further comprising converting and getting beverage selection on a graphical user interface from the motion of the vessel.

7. The built-in product dispenser of claim 1, further comprising the user to interact with the graphical user interface, and to allow the user to select a beverage selection from the said interface via a microprocessor that receives data to give and enforce instructions, and via motion of vessel, respectively.
8. The built-in product dispenser of claim 1, further comprising the acceptance of the beverage via a chamber that is comprised of (a) wall(s) and a foundation.
9. The built-in product dispenser of claim 1, further comprising a foundation with a sealable aperture.