

Title (en)  
AUTONOMOUS GRAVITY-FEED BEVERAGE DISPENSER WITH COOLING DEVICE

Title (de)  
SCHWERKRAFTZAPFEINRICHTUNG FÜR GETRÄNKE MIT KÜHLVORRICHTUNG

Title (fr)  
DISTRIBUTEUR PAR GRAVITE DE BOISSON AVEC DISPOSITIF DE REFROIDISSEMENT

Publication  
**EP 1129024 A1 20010905 (FR)**

Application  
**EP 99949044 A 19991012**

Priority  
• FR 9902463 W 19991012  
• FR 9814429 A 19981109

Abstract (en)  
[origin: US6442960B1] A gravity-feed unit that dispenses cool drinks from a carboy includes a breakable inner seal. The carboy is supported by its neck, which is centered on a striker. The striker includes a discharge passage for the carboy that communicates with a coiled pipe to cause the beverage to flow through a secondary exchanger. A heat transferring agent is previously cooled in a primary exchanger and brought to the secondary exchanger by a pump. Actuation is controlled by a temperature sensor that measures the temperature of the heat transfer agent in the secondary exchanger. The primary exchanger includes a heat source that causes the heat transfer agent to pass continuously inside a closed circuit mutually connecting the primary and secondary exchangers regardless of whether the pump is operating.

IPC 1-7  
**B67D 3/00**; **B67D 1/08**

IPC 8 full level  
**B67D 1/07** (2006.01); **B67D 1/08** (2006.01); **B67D 3/00** (2006.01); **B67D 1/00** (2006.01); **F25D 31/00** (2006.01)

CPC (source: EP US)  
**B67D 1/07** (2013.01 - EP US); **B67D 1/0867** (2013.01 - EP US); **B67D 1/0869** (2013.01 - EP US); **B67D 3/0009** (2013.01 - EP US); **B67D 2210/00026** (2013.01 - EP US); **F25D 31/003** (2013.01 - EP US)

Citation (search report)  
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Cited by  
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**US 6442960 B1 20020903**; AT E233714 T1 20030315; AU 6206699 A 20000529; BR 9915170 A 20010814; CA 2350662 A1 20000518; CA 2350662 C 20080318; CN 1106341 C 20030423; CN 1332696 A 20020123; DE 69905748 D1 20030410; DE 69905748 T2 20031224; EP 1129024 A1 20010905; EP 1129024 B1 20030305; ES 2194514 T3 20031116; FR 2785600 A1 20000512; WO 0027744 A1 20000518

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