

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.

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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)
See references of WO 0027744A1

Cited by
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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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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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US 83058301 A 20010910; AT 99949044 T 19991012; AU 6206699 A 19991012; BR 9915170 A 19991012; CA 2350662 A 19991012; CN 99815404 A 19991012; DE 69905748 T 19991012; EP 99949044 A 19991012; ES 99949044 T 19991012; FR 9814429 A 19981109; FR 9902463 W 19991012