

## Title (en)

A method and system for pressurising and dispensing carbonated beverages

## Title (de)

Verfahren und System zur Druckbeaufschlagung und Ausgabe von kohlensäurehaltigen Getränken

## Title (fr)

Procédé et système pour pressuriser et distribuer des boissons carbonatées

## Publication

**EP 2241531 A1 20101020 (EN)**

## Application

**EP 09388011 A 20090415**

## Priority

EP 09388011 A 20090415

## Abstract (en)

A self regulating and constant pressure maintaining beverage dispenser assembly comprises a dispensing device and a beverage container defining an inner space constituting a beverage space filled with carbonated beverage and communicating with the dispensing device for allowing dispensation of the carbonated beverage, and a head space communicating with the beverage space and filled with CO<sub>2</sub> having an initial pressure of 0.1-3 bar above the atmospheric pressure when subjected to a specific temperature of 2°C-50°C, preferably 3°C-25°C and more preferably 5°C-15°C. The beverage dispenser assembly further comprises at least one carbonisation canister communicating with the head space via a hydrophobic labyrinth and comprising a particular amount of adsorption material having adsorbed a specific amount of CO<sub>2</sub>. The particular amount of adsorption material is inherently capable of regulating the pressure in the head space and of preserving the carbonisation of the carbonated beverage in the beverage space by releasing CO<sub>2</sub> into the head space.

## IPC 8 full level

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## CPC (source: EP)

**B65D 83/62** (2013.01); **B65D 83/663** (2013.01); **B65D 83/666** (2013.01); **B67D 1/0406** (2013.01)

## Citation (applicant)

- WO 2007019848 A2 20070222 - CARLSBERG BREWERIES AS [DK], et al
- WO 2007019849 A2 20070222 - CARLSBERG BREWERIES AS [DK], et al
- WO 2007019850 A2 20070222 - CARLSBERG BREWERIES AS [DK], et al
- WO 2007019851 A1 20070222 - CARLSBERG BREWERIES AS [DK], et al
- WO 2007019853 A2 20070222 - CARLSBERG BREWERIES AS [DK], et al
- EP 1737759 A1 20070103 - HUBER VERPACKUNGEN GMBH & CO K [DE]
- EP 1170247 A1 20020109 - HEINEKEN TECH SERVICES [NL]
- EP 1982951 A1 20081022 - CARLSBERG BREWERIES AS [DK]

## Citation (search report)

- [YA] US 3613954 A 19711019 - BAYNE PETER D
- [Y] US 3964649 A 19760622 - ALEXANDER DAVID JOHN
- [DA] EP 1170247 A1 20020109 - HEINEKEN TECH SERVICES [NL]
- [DA] EP 1737759 B1 20080716 - HUBER PACKING GROUP GMBH & CO [DE]
- [A] WO 9944890 A1 19990910 - DINCO TRADING PTY LTD [AU], et al
- [E] WO 2009062626 A2 20090522 - SCHAEFER WERKE GMBH [DE], et al

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## Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

## Designated extension state (EPC)

AL BA RS

## DOCDB simple family (publication)

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## DOCDB simple family (application)

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