

Title (en)

DEVICE FOR REGULATING THE TEMPERATURE OF BEVERAGES IN A BOTTLE

Title (de)

VORRICHTUNG ZUR REGELUNG DER GETRÄNKETEMPERATUR IN EINER FLASCHE

Title (fr)

DISPOSITIF DE RÉGULATION DE LA TEMPÉRATURE DE BOISSONS DANS UNE BOUTEILLE

Publication

**EP 4048964 A1 20220831 (EN)**

Application

**EP 20797207 A 20200928**

Priority

- IT 201900019805 A 20191025
- IT 2020050234 W 20200928

Abstract (en)

[origin: WO2021079389A1] A device (1) is described for regulating the temperature of beverages in a bottle (2), of the type comprising a bucket (3) in which the bottle (2) can be inserted, means being provided designed to regulate the temperature which comprise cold or hot accumulators (4), wherein the cold or hot accumulators (4) comprise phase-change substances, which are pure substances, having a well-defined melting temperature, for example water, and the phase-change substance is an eutectic alloy, for temperatures below zero degrees centigrade, the phase-change substances being: solution at -5 °C: 1.5% carboxymethyl cellulose, 0.1% sodium bicarbonate, 0.1% sodium chloride, 98.3% water; solution at -11 °C: 20% potassium chloride, 80% water; solution at -16 °C: 19.4% ammonium chloride, 200.25% sodium chloride, 80.35% water; solution at -30 °C: 30% calcium chloride, 70% water.

IPC 8 full level

**F25D 3/08** (2006.01)

CPC (source: EP)

**F25D 3/08** (2013.01); **F25D 2303/082** (2013.01); **F25D 2303/08221** (2013.01); **F25D 2303/0841** (2013.01); **F25D 2303/085** (2013.01)

Citation (search report)

See references of WO 2021079389A1

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