

Title (en)

A method and a system for pressurising and dispensing fluid products stored in a bottle, can, container or similar device

Title (de)

Verfahren und System zur Druckbeaufschlagung und Ausgabe von in einer Flasche, einer Dose, einem Behälter oder einer ähnlichen Vorrichtung gelagerten Flüssigprodukten

Title (fr)

Procédé et système pour mettre sous pression et distribuer des produits liquides stockés dans une bouteille, une boîte, un récipient ou un dispositif similaire

Publication

**EP 2243743 A1 20101027 (EN)**

Application

**EP 09388012 A 20090423**

Priority

EP 09388012 A 20090423

Abstract (en)

A self regulating and constant pressure maintaining product dispenser assembly (100') comprises a dispensing device (118) and a product container (112') defining an inner space comprising a product space (142) being filled with a fluid product constituting a carbonated beverage, and a pressure space (144) being filled with a propellant gas having an initial pressure of preferably 0.5-1.8 bar above the atmospheric pressure when subjected to a specific temperature range of preferably 3°C-50°C. The pressure space further comprises an amount of an adsorption material having adsorbed an amount of the propellant gas, which is sufficient for allowing the pressure space to increase in volume and to substitute the product space. The particular amount of adsorption material is inherently capable of substantially maintaining the initial pressure in the pressure space by releasing the propellant gas into the pressure space and adsorbing the propellant gas from the pressure space.

IPC 8 full level

**B67D 1/04** (2006.01)

CPC (source: EP)

**B67D 1/0443** (2013.01); **B67D 1/0885** (2013.01)

Citation (applicant)

- US 1800156 A 19310407 - ERIK ROTHEIM
- US 2006049215 A1 20060309 - LIM WALTER K [US], et al

Citation (search report)

- [A] WO 2008060152 A1 20080522 - HEINEKEN SUPPLY CHAIN BV [NL], et al
- [A] WO 2008053215 A1 20080508 - KBIG LTD [GB], et al
- [A] WO 2007108684 A1 20070927 - HEINEKEN SUPPLY CHAIN BV [NL], et al

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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