

Title (en)

GAS CYLINDER COUPLING AND WEIGHING MECHANISM FOR A CARBONATED DRINK DISPENSER

Publication

**EP 0223204 A3 19881026 (EN)**

Application

**EP 86115763 A 19861113**

Priority

- US 79991185 A 19851120
- US 79991985 A 19851120

Abstract (en)

[origin: EP0428179A1] A gas cylinder coupling and weighing mechanism useful in a carbonated drink dispenser having a gas cylinder. Supports the cylinder rotatably within a hood (741), the hood forming a lever which is biased upwardly by a spring (765). A full cylinder will pull the hood all the way down. As the cylinder is emptied, the hood will begin to move upward and when the cylinder is empty the hood will be fully upward. Mounted inside the hood is a fitting (740) engaging with a mating fitting on the gas cylinder. The mating fitting is equipped with a pair of arms which are aligned with locking slots contained within the mating fitting which are used to engage pins on the fitting inside the hood when mounting the gas cylinder.

IPC 1-7

**B67D 1/00**; **B67D 1/08**

IPC 8 full level

**B67D 1/04** (2006.01); **B67D 1/00** (2006.01); **B67D 1/08** (2006.01)

CPC (source: EP)

**B67D 1/0052** (2013.01); **B67D 1/0057** (2013.01); **B67D 1/008** (2013.01); **B67D 2001/0092** (2013.01); **B67D 2001/0815** (2013.01); **B67D 2210/00052** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

**EP 0428179 A1 19910522**; **EP 0428179 B1 19931208**; AT E86943 T1 19930415; AT E94506 T1 19931015; AT E98202 T1 19931215; AU 4381889 A 19900222; AU 593043 B2 19900201; AU 623188 B2 19920507; AU 6567286 A 19870611; DE 3688084 D1 19930422; DE 3688084 T2 19930624; DE 3689028 D1 19931021; DE 3689028 T2 19940127; DE 3689378 D1 19940120; DE 3689378 T2 19940324; EP 0223204 A2 19870527; EP 0223204 A3 19881026; EP 0223204 B1 19930915; EP 0360302 A2 19900328; EP 0360302 A3 19900530; EP 0360302 B1 19930317; ES 2039060 T3 19930816; ES 2043598 T3 19940101; ES 2049392 T3 19940416; JP H0786036 B2 19950920; JP S62208393 A 19870912; LV 11306 A 19960620; LV 11306 B 19961220

DOCDB simple family (application)

**EP 90122481 A 19861113**; AT 86115763 T 19861113; AT 89121003 T 19891113; AT 90122481 T 19861113; AU 4381889 A 19891027; AU 6567286 A 19861125; DE 3688084 T 19861113; DE 3689028 T 19861113; DE 3689378 T 19861113; EP 86115763 A 19861113; EP 89121003 A 19861113; ES 86115763 T 19861113; ES 89121003 T 19861113; ES 90122481 T 19861113; JP 27548986 A 19861120; LV 940037 A 19940222