

Title (en)
BALANCED PRESSURE COUPLING APPARATUS

Publication
EP 0080358 B1 19871104 (EN)

Application
EP 82306209 A 19821122

Priority
US 32330981 A 19811120

Abstract (en)
[origin: EP0080358A1] A coupler adaptor (32) is provided for use in operative association with a container (16) and a valve (26). The container houses relatively high pressurised carbon dioxide gas for use in carbonating a beverage. The valve is actuated in order to release the gas to an interface passage (52) formed in the coupler adaptor. The coupler adaptor has a pair of grooves (54, 56) formed on opposite sides of the interface passage for receiving O-rings (58, 60). The coupler adaptor is also in operative association with a pressure regulator (62). The pressurised gas enters the pressure regulator from the coupler adaptor interface passage. The coupler adaptor remains operatively joined to the pressure regulator without retaining structure due to the balanced gas pressure which results because of the O-rings positioned adjacent the coupler adaptor interface passage.

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F17C 13/04; F17C 7/00

IPC 8 full level
F16L 29/00 (2006.01); **B65D 83/14** (2006.01); **B67D 1/08** (2006.01); **B67D 1/14** (2006.01); **F17C 7/00** (2006.01); **F17C 13/00** (2006.01); **F17C 13/04** (2006.01)

CPC (source: EP KR)
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EP 0080358 A1 19830601; EP 0080358 B1 19871104; AR 229714 A1 19831031; AT E30631 T1 19871115; AU 541921 B2 19850131; AU 9032082 A 19830616; BR 8206656 A 19831004; CA 1181656 A 19850129; DE 3277596 D1 19871210; ES 517490 A0 19840416; ES 8404166 A1 19840416; IE 53677 B1 19890104; IE 822756 L 19830520; JP H026960 B2 19900214; JP S5888300 A 19830526; KR 840002511 A 19840702; KR 860000455 B1 19860426; MX 157815 A 19881215; NO 154771 B 19860908; NO 154771 C 19861217; NO 823861 L 19830524; NZ 202561 A 19860611; PH 19592 A 19860526; SU 1145920 A3 19850315; ZA 828415 B 19830928

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