

Title (en)
Container with pressurized CO₂-gas source

Title (de)
Behälter mit CO₂-Druckgasquelle

Title (fr)
Récipient avec une source de CO₂ sous pression

Publication
EP 1642861 B1 20080416 (DE)

Application
EP 05011896 A 20050602

Priority
DE 102004047252 A 20040929

Abstract (en)
[origin: EP1642861A1] Container comprises an insert which is fixed with a seal in an opening of the container and a carbon dioxide high pressure cartridge (14) having a pressure regulating valve for releasing carbon dioxide and an adjusting part which can be accessed from the outside. Preferred Features: A needle (34) for clipping the high pressure cartridge is combined with a valve part of the pressure regulating valve and can be adjusted between a sealing position and an outlet position on a valve seat (38) of the pressure regulating valve. The pressure regulating valve has a lateral outlet opening (56) in front of which lies an annular elastic collar (58) or O-ring.

IPC 8 full level
B67D 1/04 (2006.01)

CPC (source: EP US)
B67D 1/0418 (2013.01 - EP US); **B67D 1/1252** (2013.01 - EP)

Cited by
WO2009123448A1; AU2008323322B2; NL2001467C2; CN103332643A; NL1035233C2; EP3738920A1; DE102019207114A1; EP1990309A1; US8991653B2; DE102009015427A1; WO2009062616A3; WO2009126034A1; DE102007055466A1; US8469242B2; WO2009062616A2; WO2009126035A2; US8906438B2; US8950636B2; WO2022198293A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1642861 A1 20060405; EP 1642861 B1 20080416; AT E392389 T1 20080515; CN 101268010 A 20080917; CN 101268010 B 20120530; DE 102004047252 A1 20060413; DE 502005003718 D1 20080529; DK 1642861 T3 20080811; EA 012779 B1 20091230; EA 200702667 A1 20080428; ES 2304166 T3 20080916; PL 1642861 T3 20081128; PT 1642861 E 20080703; PT 1642862 E 20080523; US 2009302069 A1 20091210; US 8763866 B2 20140701

DOCDB simple family (application)
EP 05011896 A 20050602; AT 05011896 T 20050602; CN 200680019485 A 20060527; DE 102004047252 A 20040929; DE 502005003718 T 20050602; DK 05011896 T 20050602; EA 200702667 A 20060527; ES 05011896 T 20050602; PL 05011896 T 20050602; PT 05011896 T 20050602; PT 05020984 T 20050927; US 92153806 A 20060527