

Title (en)
Modular beverage dispensing assembly

Title (de)
Modulare Getränkeausgabeeanordnung

Title (fr)
Assemblage modulaire de distribution de boissons

Publication
EP 2154103 B1 20110420 (EN)

Application
EP 08425553 A 20080807

Priority
EP 08425553 A 20080807

Abstract (en)
[origin: EP2154103A1] A modular beverage dispensing assembly (1) having a number of beverage storage units (2), each for supplying a pressurized beverage and in turn having an airtight pressure container (3) housing a collapsible removable cartridge (4) containing the beverage; and an electric compressor (5) for feeding pressurized gas into the pressure container (3) of each beverage storage unit (2), to crush the removable cartridge (4) inside the pressure container; each beverage storage unit (2) also having a valve assembly (12) for regulating pressurized-gas flow from the pressurized-gas source (5) into the airtight pressure container (3), and which has a non-return valve (25) and a three-way valve (26) arranged in cascade formation one after the other; the non-return valve (25) being interposed between the inside of the pressure container (3) and the three-way valve (26), and being so oriented as to allow pressurized-gas flow from the pressure container (3) to the three-way valve (26), and to normally prevent pressurized-gas flow into the pressure container (3); the three-way valve (26), on the other hand, being designed to connect the non-return valve (25) directly to the pressurized-gas source (5) when the pressure container (3) is in a predetermined work position, and to connect the non-return valve (25) directly to the outside when the pressure container (3) is not in the work position; the valve assembly (12) also having valve-locking means (28) for keeping the non-return valve (25) open when the collapsible removable cartridge (4) is inserted properly inside the pressure container (3).

IPC 8 full level
B67D 1/04 (2006.01)

CPC (source: EP)
B65D 7/045 (2013.01); **B67B 7/28** (2013.01); **B67D 1/0425** (2013.01); **B67D 1/0462** (2013.01); **B67D 1/0804** (2013.01); **B67D 1/0857** (2013.01); **B67D 1/0865** (2013.01); **B67D 2001/082** (2013.01); **B67D 2001/0828** (2013.01); **B67D 2210/00034** (2013.01)

Cited by
BE1018940A3; KR20180055987A; EP3110710A4; NL2025019B1; EP4112490A1; WO2015127470A1; WO2018162351A1; WO2021172995A1; CN106458376A; CN110612267A; JP2020512954A; EA036451B1; AU2018231368B2; US9896320B2; US10865089B2; US11820637B2; US10870565B2; US11643319B2; US11905155B2; EP3110710B1

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 MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 2154103 A1 20100217; EP 2154103 B1 20110420; AT E506319 T1 20110515; DE 602008006388 D1 20110601

DOCDB simple family (application)
EP 08425553 A 20080807; AT 08425553 T 20080807; DE 602008006388 T 20080807