

Title (en)

Device for the distribution of a cryogenic liquid.

Title (de)

Vorrichtung für die Distribution einer kryogenen Flüssigkeit.

Title (fr)

Dispositif de distribution d'un liquide cryogénique.

Publication

EP 0183594 A1 19860604 (FR)

Application

EP 85402161 A 19851108

Priority

FR 8417237 A 19841113

Abstract (en)

[origin: US4612773A] This device, which is in particular intended to inject liquid nitrogen in preserving cans so as to pressurize them, comprises an inverted cryogenic container (1,2) having a neck (3) closed by a detachable plate (10). All the elements (11,12,14,19,21) for operating the device extend through this plate in a sealed manner. The pouring conduit (14) has a calibrated orifice (17) mounted in the plate (10) and, above the latter, an electrically-operated valve immersed in the liquid. Application in the packing of flat beverages in metal cans.

Abstract (fr)

Ce dispositif, destiné notamment à l'injection d'azote liquide dans de boîtes de conserve en vue de leur pressurisation, est constitué par un récipient cryogénique (1, 2) inversé dont le col (3) est obturé par une plaque démontable (10). Tous les organes (11, 12, 14, 19, 21) nécessaires au fonctionnement traversent à joint étanche cette plaque. La conduite de déversement (14) comporte un orifice calibré (17) monté dans la plaque (10) et, au-dessus de celle-ci, une électrovanne (18) noyée dans le liquide. Application au conditionnement des boissons plates en boîtes métalliques.

IPC 1-7

B65B 31/00; **F17C 9/00**

IPC 8 full level

B65B 31/04 (2006.01); **B65B 31/00** (2006.01); **F17C 9/00** (2006.01)

CPC (source: EP US)

B65B 31/00 (2013.01 - EP US); **B65B 31/006** (2013.01 - EP US); **F17C 9/00** (2013.01 - EP US); **F17C 2201/0109** (2013.01 - EP US); **F17C 2201/0119** (2013.01 - EP US); **F17C 2203/0391** (2013.01 - EP US); **F17C 2203/0629** (2013.01 - EP US); **F17C 2205/0326** (2013.01 - EP US); **F17C 2223/0161** (2013.01 - EP US)

Citation (search report)

- [X] EP 0109134 A1 19840523 - CROWN CORK & SEAL CO [US]
- [Y] FR 2496837 A1 19820625 - REYNOLDS METALS CO [US]

Cited by

GB2215446A; GB2251296A; GB2215446B; GB2251296B

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0183594 A1 19860604; **EP 0183594 B1 19880107**; AT E31689 T1 19880115; AU 4947585 A 19860522; AU 570903 B2 19880324; CA 1265041 A 19900130; DE 3561303 D1 19880211; DK 161035 B 19910521; DK 161035 C 19911028; DK 522285 A 19860514; DK 522285 D0 19851113; ES 548784 A0 19861116; ES 8701349 A1 19861116; FR 2573177 A1 19860516; FR 2573177 B1 19880226; JP H0610011 B2 19940209; JP S61115819 A 19860603; NZ 214113 A 19870331; PT 81467 A 19851201; PT 81467 B 19870930; US 4612773 A 19860923; ZA 858506 B 19860625

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