

Title (en)
DEVICE FOR THE DISTRIBUTION OF A CRYOGENIC LIQUID

Publication
EP 0183594 B1 19880107 (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.

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)

Cited by
GB2215446A; GB2251296A; GB2215446B; GB2251296B

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

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

DOCDB simple family (application)
EP 85402161 A 19851108; AT 85402161 T 19851108; AU 4947585 A 19851108; CA 495221 A 19851113; DE 3561303 T 19851108; DK 522285 A 19851113; ES 548784 A 19851112; FR 8417237 A 19841113; JP 25297985 A 19851113; NZ 21411385 A 19851108; PT 8146785 A 19851112; US 79783385 A 19851113; ZA 858506 A 19851105