

Title (en)
DISPENSER FOR DISPENSING CRYOGENIC LIQUID

Publication
EP 0364009 A3 19910327 (EN)

Application
EP 89122730 A 19890130

Priority
• EP 89122730 A 19890130
• GB 8804760 A 19880229

Abstract (en)
[origin: EP0364009A2] A dispenser (1) for dispensing slugs of cryogenic liquid to bottles or cans on a bottling or canning line, comprises a vessel (2) for holding cryogenic liquid, a dispenser tube (10) mounted on said vessel (2), a valve (14) associated with said dispenser tube (10) and operable, in use, to allow or inhibit the flow of cryogenic liquid from said vessel (2), and means (16, 17) which are wholly contained within said vessel (2) for opening and closing said valve (14), characterized in that said means (16, 17) are capable of opening and closing said valve (14) at least 600 times per minute.

IPC 1-7
F17C 9/00; **B65B 31/00**

IPC 8 full level
B65B 31/00 (2006.01); **F17C 9/00** (2006.01)

CPC (source: EP)
B65B 31/006 (2013.01); **F17C 9/00** (2013.01); **F17C 2201/0109** (2013.01); **F17C 2201/032** (2013.01); **F17C 2203/0391** (2013.01); **F17C 2203/0629** (2013.01); **F17C 2205/0326** (2013.01); **F17C 2205/0332** (2013.01); **F17C 2221/014** (2013.01); **F17C 2223/0161** (2013.01); **F17C 2227/0304** (2013.01); **F17C 2260/038** (2013.01); **F17C 2260/042** (2013.01); **F17C 2270/059** (2013.01)

Citation (search report)
• US 4407340 A 19831004 - JENSEN ERIC L [US], et al
• US 4469304 A 19840904 - KAH JR CARL L C [US]

Cited by
US6047553A; FR2688469A1; EP0893347A1; FR2765661A1

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

DOCDB simple family (publication)
EP 0364009 A2 19900418; **EP 0364009 A3 19910327**; **EP 0364009 B1 19940323**; AT E103379 T1 19940415

DOCDB simple family (application)
EP 89122730 A 19890130; AT 89122730 T 19890130