

Title (en)

Safety device for injection pistol of fluid in a container

Title (de)

Sicherheitsvorrichtung für eine Pistole zum Einspritzen von Fluid in einen Behälter

Title (fr)

Dispositif de sécurité pour pistolet d'injection de fluide dans un conteneur

Publication

**EP 1164343 A1 20011219 (FR)**

Application

**EP 01401448 A 20010605**

Priority

FR 0007717 A 20000616

Abstract (en)

The safety (32) for a carbon dioxide injection pistol (18) for containers (10) has a sensor for pistol contact with the container connected to a control circuit for opening an electro-valve (28) integrated in the pistol to prevent injection of fluid if there is a loss of contact between the pistol and container. The sensor detects movement of the pistol and a relay (48) actuated under the control of the sensor to open a switch (50) connected in series with the control circuit to stop the fluid feed in case the pistol is moved. The sensor can be an acceleration sensor.

IPC 1-7

**F25D 29/00**; **F25D 3/10**; **H01H 35/02**

IPC 8 full level

**F25D 3/10** (2006.01); **F25D 29/00** (2006.01); **F25D 3/12** (2006.01); **H01H 35/14** (2006.01)

CPC (source: EP)

**F25D 3/10** (2013.01); **F25D 29/001** (2013.01); **F25D 3/12** (2013.01); **H01H 35/14** (2013.01)

Citation (search report)

- [A] FR 2726353 A1 19960503 - CARBOXYQUE FRANCAISE [FR]
- [A] US 5543767 A 19960806 - ELENBAAS GEORGE H [US]
- [A] US 5379811 A 19950110 - DOTSON KENNETH W [US], et al

Designated contracting state (EPC)

BE CH DE ES FR IT LI

DOCDB simple family (publication)

**EP 1164343 A1 20011219**; **EP 1164343 B1 20041117**; DE 60107148 D1 20041223; DE 60107148 T2 20051215; ES 2233578 T3 20050616; FR 2810262 A1 20011221; FR 2810262 B1 20020830

DOCDB simple family (application)

**EP 01401448 A 20010605**; DE 60107148 T 20010605; ES 01401448 T 20010605; FR 0007717 A 20000616