

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)

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