

Title (en)
Safety device and method for retaining a gas bottle in a gas apparatus

Title (de)
Sicherheitshaltevorrichtung für ein Gasbehälter und entsprechende Methode

Title (fr)
Système sécurisé de maintien d'une bouteille de gaz dans un appareil à gaz

Publication
EP 1353115 A3 20081203 (EN)

Application
EP 02023595 A 20021023

Priority
IT PR20020017 A 20020411

Abstract (en)
[origin: EP1353115A2] A safety device for a bottle, in a gas apparatus (1) of the type comprising at least a body or case (3), an apparatus (5) for drawing the gas which is partially inserted in the body or case (3), a bottle (4) destined to be inserted in the body (3) to interact with the drawing apparatus (5), an optional gas flow regulator, means for retaining the bottle or cartridge (4) in the body (3) and prevent its accidental egress, is characterised in that said means comprise an element (7) which is inserted in the body (3) and is so shaped as to allow the extraction or egress of the bottle (4) only after a rising movement of the bottle or cartridge (4) inside the body (3). The method provides for the egress or extraction of the bottle from the body to be able to occur only after a step of raising the bottle inside the body.

IPC 8 full level
F17C 13/08 (2006.01); **F24C 3/14** (2006.01)

CPC (source: EP)
F17C 13/08 (2013.01); **F17C 13/084** (2013.01); **F17C 2201/0109** (2013.01); **F17C 2201/032** (2013.01); **F17C 2201/058** (2013.01); **F17C 2205/0111** (2013.01); **F17C 2205/0126** (2013.01); **F17C 2205/018** (2013.01); **F17C 2205/032** (2013.01); **F17C 2221/035** (2013.01); **F17C 2223/0153** (2013.01); **F17C 2223/033** (2013.01); **F17C 2250/0636** (2013.01); **F17C 2260/036** (2013.01); **F17C 2270/0709** (2013.01)

Citation (search report)

- [X] FR 1503773 A 19671201 - APPLIC GAZ SA
- [A] FR 1449846 A 19660819 - GAZ ET PETROLE SA
- [A] DE 1215894 B 19660505 - APPLIC DES GAZ SA SOC D, et al
- [A] FR 1295539 A 19620608 - A D G SOC D APPLIC DES GAZ
- [A] FR 1258284 A 19610414
- [A] FR 2398962 A1 19790223 - APPLIC GAZ SA [FR]
- [A] FR 2672662 A1 19920814 - APPLIC GAZ SA [FR]

Cited by
EP4279793A1; IT202200010247A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

Designated extension state (EPC)
AL LT LV MK RO SI

DOCDB simple family (publication)
EP 1353115 A2 20031015; EP 1353115 A3 20081203; EP 1353115 B1 20091209; AT E451579 T1 20091215; DE 60234676 D1 20100121; ES 2337985 T3 20100503; IT PR20020017 A1 20031013

DOCDB simple family (application)
EP 02023595 A 20021023; AT 02023595 T 20021023; DE 60234676 T 20021023; ES 02023595 T 20021023; IT PR20020017 A 20020411