

Title (en)

Gas bottle and cap

Title (de)

Gasflasche und Kappe

Title (fr)

Ensemble d'une bouteille de gaz et d'un chapeau

Publication

EP 0725247 B1 19991027 (FR)

Application

EP 96400785 A 19940602

Priority

- EP 94401214 A 19940602
- FR 9306644 A 19930603

Abstract (en)

[origin: EP0629812A1] The cap consists of an upper piece (1) and of a lower piece (2) including a portion (8) projecting laterally relative to the midpoint diameter of the bottle (cylinder) (3) and including a cutout (12) which is open downwards allowing the cap/bottle assembly to be supported, by fastening, on a structural support element and having a transverse external profile with a large radius of curvature allowing the cap/bottle assembly to be placed flat on a surface. The upper part (1) has a carrying and handling handle (1) extending transversely substantially plumb with the laterally-projecting portion (8) and connected to the latter by two vertical ribs (23A). Application especially to small gas bottles, particularly for medical oxygen. <IMAGE>

IPC 1-7

F17C 13/00

IPC 8 full level

F17C 13/00 (2006.01); **F17C 13/06** (2006.01)

CPC (source: EP US)

F17C 13/002 (2013.01 - EP US); **F17C 13/06** (2013.01 - EP US); **F17C 2201/0114** (2013.01 - EP US); **F17C 2201/032** (2013.01 - EP US); **F17C 2201/058** (2013.01 - EP US); **F17C 2205/0165** (2013.01 - EP US); **F17C 2205/0188** (2013.01 - EP US); **F17C 2205/0308** (2013.01 - EP US); **F17C 2205/0329** (2013.01 - EP US); **F17C 2205/0338** (2013.01 - EP US); **F17C 2205/037** (2013.01 - EP US); **F17C 2205/0382** (2013.01 - EP US); **F17C 2221/011** (2013.01 - EP US); **F17C 2221/014** (2013.01 - EP US); **F17C 2221/017** (2013.01 - EP US); **F17C 2221/03** (2013.01 - EP US); **F17C 2223/0123** (2013.01 - EP US); **F17C 2223/036** (2013.01 - EP US); **F17C 2270/025** (2013.01 - EP US); **Y10T 137/7043** (2015.04 - EP US); **Y10T 137/7062** (2015.04 - EP US)

Cited by

EP1041339A1; FR2791757A1; US6311722B1; WO2020165006A1; US12007072B2; EP2980468A1; DE102014011214A1; EP3805627A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0629812 A1 19941221; **EP 0629812 B1 19980805**; AT E169390 T1 19980815; AT E186108 T1 19991115; DE 69412184 D1 19980910; DE 69412184 T2 19990429; DE 69421409 D1 20110609; DE 69421409 T2 20000608; DK 0629812 T3 19990510; DK 0725247 T3 20000417; EP 0725247 A1 19960807; EP 0725247 B1 19991027; ES 2123107 T3 19990101; ES 2140795 T3 20000301; FR 2706016 A1 19941209; FR 2706016 B1 19950728; GR 3032490 T3 20000531; PT 725247 E 20000428; US 5429152 A 19950704

DOCDB simple family (application)

EP 94401214 A 19940602; AT 94401214 T 19940602; AT 96400785 T 19940602; DE 69412184 T 19940602; DE 69421409 T 19940602; DK 94401214 T 19940602; DK 96400785 T 19940602; EP 96400785 A 19940602; ES 94401214 T 19940602; ES 96400785 T 19940602; FR 9306644 A 19930603; GR 20000400184 T 20000127; PT 96400785 T 19940602; US 25317694 A 19940602