

Title (en)

GAS BOTTLE WITH PROTECTIVE CASING FOR USE IN THE MEDICAL FIELD

Title (de)

GASFLASCHE MIT SCHUTZHÜLLEN ZUR VERWENDUNG IN MEDIZINTECHNIK

Title (fr)

BOUETTE DE GAZ AVEC ENVELOPPES PROTECTRICES UTILISABLE DANS LE DOMAINE MEDICAL

Publication

**EP 1278987 A1 20030129 (FR)**

Application

**EP 01925629 A 20010412**

Priority

- FR 0101131 W 20010412
- FR 0004931 A 20000417

Abstract (en)

[origin: WO0179747A1] The invention concerns a gas bottle in particular for medical use, comprising a generally cylindrical bottle body (1) comprising members (3) regulating gas output and optionally a protective covering (2) arranged around the members (3) regulating gas output. The invention is characterised in that the bottle body (1) is at least partly covered with at least a first protective casing (11), and the members (3) and/or the protective covering (2) are at least partly covered with at least a second protective casing (21). The invention also concerns a protective packaging for a gas bottle formed with a first protective casing (11) portion and a second protective casing (21) portion mutually integral and/or formed in a single piece, the first casing portion (11) comprising a disc-shaped base (12) to protect the base of the gas bottle.

IPC 1-7

**F17C 13/00; F17C 13/08; B65D 77/04**

IPC 8 full level

**A61M 16/00** (2006.01); **B65D 77/04** (2006.01); **F17C 13/00** (2006.01); **F17C 13/04** (2006.01); **F17C 13/08** (2006.01)

CPC (source: EP US)

**B65D 77/0406** (2013.01 - EP US); **F17C 13/002** (2013.01 - EP US); **F17C 13/084** (2013.01 - EP US); **F17C 2201/0104** (2013.01 - EP US); **F17C 2201/058** (2013.01 - EP US); **F17C 2203/0658** (2013.01 - EP US); **F17C 2203/066** (2013.01 - EP US); **F17C 2205/0115** (2013.01 - EP US); **F17C 2205/0165** (2013.01 - EP US); **F17C 2205/0308** (2013.01 - EP US); **F17C 2205/0323** (2013.01 - EP US); **F17C 2205/035** (2013.01 - EP US); **F17C 2205/052** (2013.01 - EP US); **F17C 2205/054** (2013.01 - EP US); **F17C 2209/227** (2013.01 - EP US); **F17C 2270/02** (2013.01 - EP US)

Citation (search report)

See references of WO 0179747A1

Cited by

WO2015132506A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 0179747 A1 20011025;** AT E281627 T1 20041115; AU 5232501 A 20011030; AU 778775 B2 20041223; CA 2403761 A1 20011025; DE 60106906 D1 20041209; DE 60106906 T2 20051110; DK 1278987 T3 20050314; EP 1278987 A1 20030129; EP 1278987 B1 20041103; ES 2231479 T3 20050516; FR 2807820 A1 20011019; FR 2807820 B1 20020614; JP 2004501324 A 20040115; PT 1278987 E 20050228; US 2004020793 A1 20040205; US 2005194266 A1 20050908; ZA 200207709 B 20031106

DOCDB simple family (application)

**FR 0101131 W 20010412;** AT 01925629 T 20010412; AU 5232501 A 20010412; CA 2403761 A 20010412; DE 60106906 T 20010412; DK 01925629 T 20010412; EP 01925629 A 20010412; ES 01925629 T 20010412; FR 0004931 A 20000417; JP 2001577111 A 20010412; PT 01925629 T 20010412; US 25784503 A 20030623; US 3645905 A 20050114; ZA 200207709 A 20020925