

Title (en)

FLEXIBLE TUBE PROVIDED WITH LARGE DIAMETER NECK AND RIGID END CAP

Title (de)

TUBE MIT GROSSEM HALSDURCHMESSER UND STARREM ANSATZSTÜCK

Title (fr)

TUBE SOUPLE MUNI D'UN GOULOT DE GRAND DIAMETRE ET D'UN EMBOUT RIGIDE

Publication

**EP 1292504 A1 20030319 (FR)**

Application

**EP 01947560 A 20010621**

Priority

- FR 0101946 W 20010621
- FR 0007937 A 20000621

Abstract (en)

[origin: WO0198162A1] The invention concerns a flexible tube (110, 210, 310) comprising a neck (113, 213, 313) whereof the outer surface is provided with irreversible securing means (114, 314) and whereon is mounted a transverse end wall (116, 216, 316) bearing a cylindrical vent (115, 215, 315). The invention also concerns a rigid end cap (120, 220, 320) provided at least with a sealing skirt (121, 221, 321) and a securing skirt (122, 322) provided with matching securing means (123, 323), said vent of the flexible tube and said sealing and securing skirts being arranged so as to obtain sealed attachment with longitudinal locking of the rigid end cap on the neck by a simple longitudinal translational movement. Additional means such as those described in FR 2 707 256 (cylindrical tube) or FR 9901530 (elliptical tube) enable by slight rotation after depression, complete rotational locking.

IPC 1-7

**B65D 35/12**; **B65D 47/12**; **B65D 47/08**

IPC 8 full level

**B65D 35/12** (2006.01); **B65D 47/08** (2006.01); **B65D 47/12** (2006.01)

CPC (source: EP US)

**B65D 35/12** (2013.01 - EP US); **B65D 47/0838** (2013.01 - EP US); **B65D 47/128** (2013.01 - EP US)

Citation (search report)

See references of WO 0198162A1

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 0198162 A1 20011227**; AT E280092 T1 20041115; AU 6921901 A 20020102; CZ 20023973 A3 20040414; DE 60106613 D1 20041125; DE 60106613 T2 20051201; EP 1292504 A1 20030319; EP 1292504 B1 20041020; ES 2227229 T3 20050401; FR 2810641 A1 20011228; FR 2810641 B1 20021018; PL 359627 A1 20040823; RU 2262472 C2 20051020; US 2003150888 A1 20030814; US 6840405 B2 20050111

DOCDB simple family (application)

**FR 0101946 W 20010621**; AT 01947560 T 20010621; AU 6921901 A 20010621; CZ 20023973 A 20010621; DE 60106613 T 20010621; EP 01947560 A 20010621; ES 01947560 T 20010621; FR 0007937 A 20000621; PL 35962701 A 20010621; RU 2003101397 A 20010621; US 32497502 A 20021220