

Title (en)
RESERVOIR OF THE TWO ASSEMBLED SHELL HALVES TYPE, APPLICABLE AS AN EXPANSION TANK, EXPANSION COMPENSATOR AND PRESSURIZED-FLUID STORAGE VESSEL

Publication
EP 0187108 B1 19880323 (FR)

Application
EP 85420236 A 19851219

Priority
FR 8420146 A 19841221

Abstract (en)
[origin: US4667841A] A tank formed using two half shells may be used as an expansion tank, expansion equalizer, pressurized fluid buffer tank or the like. Two half shells are provided with a projecting flared profile having a first section angled outwardly from the wall and a flange directed perpendicularly outwardly. The tank halves are joined by abutting the flanges, and the angularly offset sections adjacent the flanges form a bearing area or seat for sealing with an internal diaphragm. The diaphragm separates the tank into sections and is arranged at its end to receive and positively hold a ring of a profile complementary to the internal profile defined by the outwardly flaring sections adjacent the flanges of the tank. The flanges can be folded over one another and against the wall of the tank to physically attach the half shells.

IPC 1-7
F24D 3/10; **F15B 1/047**

IPC 8 full level
B65D 8/04 (2006.01); **F15B 1/14** (2006.01); **F24D 3/10** (2006.01)

CPC (source: EP US)
F15B 1/14 (2013.01 - EP US); **F24D 3/1008** (2013.01 - EP US); **F24D 3/1016** (2013.01 - EP US); **F15B 2201/205** (2013.01 - EP US); **F15B 2201/3151** (2013.01 - EP US); **F15B 2201/3156** (2013.01 - EP US); **F15B 2201/4056** (2013.01 - EP US); **F15B 2201/41** (2013.01 - EP US); **F15B 2201/415** (2013.01 - EP US)

Cited by
DE10001542C2

Designated contracting state (EPC)
AT BE CH DE GB IT LI NL SE

DOCDB simple family (publication)
EP 0187108 A1 19860709; **EP 0187108 B1 19880323**; AT E33181 T1 19880415; CA 1279833 C 19910205; DE 3561972 D1 19880428; ES 296306 U 19880516; ES 296306 Y 19890201; FI 855113 A0 19851220; FI 855113 A 19860622; FR 2575141 A1 19860627; FR 2575141 B1 19870320; MA 20595 A1 19860701; OA 08150 A 19870331; PT 81723 A 19860102; PT 81723 B 19871020; US 4667841 A 19870526

DOCDB simple family (application)
EP 85420236 A 19851219; AT 85420236 T 19851219; CA 498301 A 19851220; DE 3561972 T 19851219; ES 296306 U 19851219; FI 855113 A 19851220; FR 8420146 A 19841221; MA 20821 A 19851213; OA 58751 A 19851220; PT 8172385 A 19851219; US 81006485 A 19851217