

Title (en)

Pressure-proof tank.

Title (de)

Druckfester Tank.

Title (fr)

Réservoir à l'épreuve de la pression.

Publication

EP 0303796 A1 19890222 (DE)

Application

EP 88109793 A 19880620

Priority

DE 8710906 U 19870810

Abstract (en)

[origin: JPS6445286A] PURPOSE: To improve the pressure resistance and make cleaning easy by connecting a part-cylindrical shell of a tank jacket with a longitudinal bar and connecting an opposite bar to a tie rod. CONSTITUTION: A jacket of a tank comprises a plurality of part-cylindrical shells 10 extending in parallel. Any adjacent pair of shells 10 are interconnected by a tubular longitudinal bar 15 extending along the bead area formed between the pair of shells. An opposite longitudinal bar 15 is interconnected by a tubular tie rod 18 which traverses the interior of the tank. A reinforcing pipe section 20 is inserted into the longitudinal bar 15 in an area where the tie rod 18 is joined to the longitudinal bar 15. This type of tank can improve the pressure resistance of a minimum packing, is easy for cleaning and can make the production cost cheap.

Abstract (de)

Ein druckfester Tank weist einen aus mehreren parallelen, teilzylindrischen Schalen (10) zusammengesetzten Mantel auf, wobei jeweils benachbarte Mantelschalen (10) über einen in deren Sickenbereich verlaufenden rohrförmigen Längsholm (15) verbunden sind. Gegenüberliegende Längsholme (15) sind über rohrförmige Zuganker (18) miteinander verbunden. Im Befestigungsbereich der Zuganker (18) ist in den jeweiligen Längsholm (15) ein Verstärkungs-Rohrabschnitt (20) eingefügt.

IPC 1-7

B65D 88/12

IPC 8 full level

B65D 88/06 (2006.01); **B65D 88/12** (2006.01); **B65D 90/02** (2006.01); **B65D 90/12** (2006.01)

CPC (source: EP KR US)

B65D 88/12 (2013.01 - KR); **B65D 88/128** (2013.01 - EP US); **B65D 90/02** (2013.01 - KR)

Citation (search report)

- [Y] DE 2209484 A1 19730913 - WESTERWÄELDER EISEN GERHARD
- [YD] DE 2007142 A1 19710923
- [AD] DE 2253235 B1 19740314

Cited by

EP0411389A1

Designated contracting state (EPC)

BE DE ES FR GB IT NL SE

DOCDB simple family (publication)

EP 0303796 A1 19890222; **EP 0303796 B1 19911113**; AU 1827388 A 19890216; AU 594883 B2 19900315; CA 1309669 C 19921103; CS 271492 B2 19901012; CS 457188 A2 19900212; DD 271307 A5 19890830; DE 3866188 D1 19911219; DE 8710906 U1 19881222; ES 2026602 T3 19920501; HK 96892 A 19921211; IE 61312 B1 19941019; IE 881983 L 19890210; JP H0419107 B2 19920330; JP S6445286 A 19890217; KR 890003604 A 19890415; KR 910007938 B1 19911004; SG 15792 G 19920522; SU 1669396 A3 19910807; US 4840282 A 19890620

DOCDB simple family (application)

EP 88109793 A 19880620; AU 1827388 A 19880623; CA 570613 A 19880628; CS 457188 A 19880628; DD 31739288 A 19880630; DE 3866188 T 19880620; DE 8710906 U 19870810; ES 88109793 T 19880620; HK 96892 A 19921203; IE 198388 A 19880630; JP 16483188 A 19880630; KR 880007969 A 19880630; SG 15792 A 19920218; SU 4356023 A 19880630; US 21382488 A 19880630