

Title (en)

POLYHEDRAL TANK DESIGNED FOR CONTAINING FLUIDS UNDER PRESSURE

Title (de)

POLYEDRISCHER BEHÄLTER ZUR LAGERUNG VON UNTER DRUCK STEHENDEN FLÜSSIGKEITEN

Title (fr)

RESERVOIR POLYEDRIQUE DESTINE A CONTENIR DES FLUIDES SOUS PRESSION

Publication

**EP 1068470 A1 20010117 (FR)**

Application

**EP 99910427 A 19990325**

Priority

- FR 9900694 W 19990325
- FR 9803719 A 19980326

Abstract (en)

[origin: FR2776750A1] The invention concerns a tank (1) designed to contain a fluid under pressure, having an external polyhedral shape whereof the walls constitute a sandwich structure providing it with a multidirectional resistance to pressure. The sandwich structure of the walls is formed by an outer skin (2) and an inner skin (4) made from a compact material and by a core (3) made from a porous or alveolate material, said core (3) being enclosed on its outer surface by said outer skin and on its inner surface by said inner skin (4) The wall sandwich structure is made from a honeycomb or foam material. The invention is applicable to motor vehicles.

IPC 1-7

**F17C 1/02**; **B60K 15/03**

IPC 8 full level

**B60K 15/03** (2006.01); **F17C 1/08** (2006.01)

CPC (source: EP)

**B60K 15/03006** (2013.01); **F17C 1/08** (2013.01); **F17C 2201/0157** (2013.01); **F17C 2223/035** (2013.01); **F17C 2223/036** (2013.01); **F17C 2270/0178** (2013.01)

Citation (search report)

See references of WO 9949262A1

Cited by

WO2022096265A1

Designated contracting state (EPC)

BE DE ES GB IT NL SE

DOCDB simple family (publication)

**FR 2776750 A1 19991001**; **FR 2776750 B1 20000428**; EP 1068470 A1 20010117; WO 9949262 A1 19990930

DOCDB simple family (application)

**FR 9803719 A 19980326**; EP 99910427 A 19990325; FR 9900694 W 19990325