

Title (en)  
FUEL TANK EQUIPPED WITH A GAS EVACUATING SYSTEM

Title (de)  
KRAFTSTOFFTANK MIT ENTLÜFTUNGSSYSTEM

Title (fr)  
RESERVOIR A CARBURANT MUNI D'UN SYSTEME D'EVACUATION DES GAZ

Publication  
**EP 0975484 A1 20000202 (FR)**

Application  
**EP 99904913 A 19990219**

Priority  
• FR 9900380 W 19990219  
• FR 9802020 A 19980219

Abstract (en)  
[origin: FR2774951A1] A passage (12) connects tank interior and exterior. A membrane (7) blocking this passage, allows air and fuel vapor through, whilst preventing escape of liquid fuel. Preferred features: The passage comprises a hose tail insert (12) high on the casing. One end (19) is inside the casing and carries the membrane. The other end (15) is outside the tank, and connects to a vent pipe. Membrane and insert cross sectional area, suffices to pass sufficient gas flow rate. The membrane is included in the casing and covers a major area of its upper wall, conforming with a shallow pocket. The passage is formed by an opening in the upper wall of the casing, the membrane extending across it. A tank closure section, covers the membrane, also sealing and closing the tank opening. This closure section carries a connection for the vent pipe, connecting it to the space between membrane and closure. In addition, the closure carries a grid, supporting the membrane against the pressure of surging fuel. The tank comprises two adhered or welded, pressure injection molded sections.

IPC 1-7  
**B60K 15/035**

IPC 8 full level  
**B60K 15/035** (2006.01); **B60K 15/03** (2006.01)

CPC (source: EP US)  
**B60K 15/035** (2013.01 - EP US); **B60K 15/03177** (2013.01 - EP US); **B60K 15/03504** (2013.01 - EP US); **B60K 2015/03453** (2013.01 - EP US)

Citation (search report)  
See references of WO 9942318A1

Designated contracting state (EPC)  
DE ES FR GB IT SE

DOCDB simple family (publication)  
**FR 2774951 A1 19990820**; **FR 2774951 B1 20000505**; CA 2287492 A1 19990826; EP 0975484 A1 20000202; US 6557719 B1 20030506; WO 9942318 A1 19990826

DOCDB simple family (application)  
**FR 9802020 A 19980219**; CA 2287492 A 19990219; EP 99904913 A 19990219; FR 9900380 W 19990219; US 40345100 A 20000511