

Title (en)  
CLOSED EXPANSION TANK WITH TWO RESERVOIRS WITHIN ONE ANOTHER

Publication  
**EP 0033955 B1 19840801 (DE)**

Application  
**EP 81100839 A 19810206**

Priority  
AT 67380 A 19800208

Abstract (en)  
[origin: EP0033955A1] 1. A closed expansion vessel for liquid energy vehicles, in the case of which the said expansion vessel with its gas trap (7) and a gas chamber (8) is made part of a circulatory system, characterized in that the said gas trap (7) is placed within the said expansion vessel and to this end the expansion vessel is made up of an inner container (4) and an outer container (1), said outer container being separated by a liquid energy vehicle, and the inner container (4) has an inlet connection (6) and an outlet opening for the energy vehicle on its lower part (5), and the gas trap (7) is placed at a higher level than the inlet connection (6) so that the gas take-up space formed in the inner container (4) over the gas trap (7) has at the same time the function of a diaphragm-less gas chamber (8) for the expansion vessel, and in that, at a lower level than the outlet opening on the lower part (5) of the inner container (4) in the outer container (1), there is a sludge let-off valve (3), and at the top end of the outer container (1) there is an outlet connection (2).

IPC 1-7  
**F24D 3/10**

IPC 8 full level  
**F24D 3/10** (2006.01); **F24D 19/08** (2006.01)

CPC (source: EP)  
**F24D 3/1008** (2013.01); **F24D 19/083** (2013.01)

Cited by  
NL1032749C2; DE4320333A1; DE4320333C2; WO2008069645A1

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

DOCDB simple family (publication)  
**EP 0033955 A1 19810819; EP 0033955 B1 19840801**; AT 365762 B 19820210; AT A67380 A 19810615; DE 3165145 D1 19840906

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**EP 81100839 A 19810206**; AT 67380 A 19800208; DE 3165145 T 19810206