

Title (en)  
COMPENSATING TANK FOR THE COOLING LIQUID OF LIQUID-COOLED COMBUSTION ENGINES

Title (de)  
AUSGLEICHSBEHÄLTER FÜR DIE KÜHLFLÜSSIGKEIT FLÜSSIGKEITSGEKÜHLTER BRENNKRAFTMASCHINEN

Title (fr)  
RESERVOIR COMPENSATEUR POUR LES LIQUIDES DE REFROIDISSEMENT DE MOTEURS A COMBUSTION INTERNE REFROIDIS PAR LIQUIDE

Publication  
**EP 3032064 B1 20200401 (DE)**

Application  
**EP 15002877 A 20151008**

Priority  
DE 102014018366 A 20141210

Abstract (en)  
[origin: US2016169084A1] An expansion tank for the coolant of a fluid-cooled machine, in particular a machine-operated water-borne vehicle or a truck includes at least one inlet connection arranged in the lower region of the expansion tank, and an outlet connection for connection of the expansion tank to a cooling circuit of an internal combustion engine. A filler nozzle is arranged in the upper region of the expansion tank and has a lower edge spaced from an expansion tank cover to limit the fill level. At least one valve seals the filler nozzle for filling the expansion tank and protects the cooling system from over-pressure. Furthermore, an air volume in the expansion tank, which remains on maximum filling of the expansion tank with coolant, can be adjusted.

IPC 8 full level  
**F01P 11/02** (2006.01); **F01P 11/18** (2006.01); **F01P 11/04** (2006.01)

CPC (source: CN EP US)  
**F01P 11/029** (2013.01 - CN EP US); **F01P 11/18** (2013.01 - EP US); **F01P 11/0238** (2013.01 - EP US); **F01P 11/0285** (2013.01 - EP US); **F01P 11/04** (2013.01 - EP US)

Citation (examination)  
• DE 4107183 C1 19920806  
• DE 4233038 C1 19931125 - DAIMLER BENZ AG [DE]

Cited by  
DE102017120056A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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DOCDB simple family (application)  
**EP 15002877 A 20151008**; BR 102015030414 A 20151203; CN 201510910123 A 20151210; DE 102014018366 A 20141210; RU 2015148667 A 20151112; US 201514949234 A 20151123