Title (en)

FLUID RESERVOIR HAVING A HEATING RESERVE BOWL

Title (de)

FLÜSSIGKEITSRESERVOIR MIT HEIZRESERVEBECKEN

Title (fr)

RÉSERVOIR DE FLUIDE AVEC BOL DE RÉSERVE CHAUFFANT

Publication

EP 2567079 A2 20130313 (FR)

Application

EP 10851032 A 20100908

Priority

• FR 1053396 A 20100503
• FR 2010051867 W 20100908

Abstract (en)

[origin: WO2011138514A2] This relates in particular to a reservoir for a urea-based reducing agent, having an integrated electric heating element, which can be used in a motor vehicle having an internal combustion engine for the purposes of removing pollution. The heating element (10) provided for defrosting the reducing agent (6) is placed inside a cavity (16) that is delimited by a bowl (13), which is itself placed inside the reservoir (1). The cavity (16) of the bowl (13) communicates with the internal volume (5) of the reservoir via a valve (20). A suction pipe (12) for the reducing agent dips into the cavity (16) of the bowl (13), the starting point (18) of this pipe being located close to the heating element (10). Operation is thus ensured when the vehicle is in an inclined or sloping condition, and also in the case of frost.

IPC 8 full level

B65D 81/18 (2006.01); **B65D 88/74** (2006.01); **F01N 3/20** (2006.01)

CPC (source: EP US)

B60K 13/04 (2013.01 - EP US); **B67D 7/82** (2013.01 - US); **F01N 3/206** (2013.01 - US); **F01N 3/2066** (2013.01 - EP US); B60K 2015/03427 (2013.01 - EP US); F01N 2610/10 (2013.01 - EP US); F01N 2610/1406 (2013.01 - EP US); Y02A 50/20 (2017.12 - EP US); Y02T 10/12 (2013.01 - EP US)

Citation (search report)

See references of WO 2011138514A2

Designated contracting state (EPC)

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DOCDB simple family (publication)

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