

Title (en)

HIGH-PRESSURE ACCUMULATOR OF A HIGH-PRESSURE FUEL INJECTION SYSTEM

Title (de)

HOCHDRUCKSPEICHER EINES KRAFTSTOFFHOCHDRUCKEINSPRITZSYSTEMS

Title (fr)

ACCUMULATEUR HAUTE PRESSION D'UN SYSTÈME D'INJECTION DE CARBURANT HAUTE PRESSION

Publication

EP 3571387 B1 20210721 (DE)

Application

EP 18700566 A 20180115

Priority

- FR 1750420 A 20170119
- EP 2018050822 W 20180115

Abstract (en)

[origin: WO2018134144A1] The invention relates to a high-pressure accumulator for a high-pressure injection system made of a cylindrical body (11), which delimits a high-pressure chamber (12, 12a), and connection pieces (13, 13a), which are provided with outlet passages (131, 131a) for a high-pressure liquid, said passages opening into the chamber (12, 12a), and each of which is provided with a throttle in order to weaken pressure waves generated by injectors connected downstream. Each of the connection pieces (13, 13a) has a passage (131, 131a) with a chamber (1312, 1312a) at the outlet, said chamber receiving an insert piece (2, 2a) which is provided with the throttle (22, 22a). The insert piece (2, 2a) is fixed in the chamber (1312, 1312a) in a force-fitting manner by an autofrettage process of the high-pressure accumulator.

IPC 8 full level

F02M 55/02 (2006.01); **F02M 55/04** (2006.01)

CPC (source: EP KR)

F02M 55/025 (2013.01 - EP KR); **F02M 55/04** (2013.01 - EP KR); **F02M 2200/28** (2013.01 - EP KR); **F02M 2200/315** (2013.01 - EP KR); **F02M 2200/8069** (2013.01 - EP KR)

Citation (examination)

EP 1811165 A2 20070725 - DENSO CORP [JP]

Cited by

US2021231087A1; US11542902B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

FR 3061934 A1 20180720; **FR 3061934 B1 20190607**; CN 110234865 A 20190913; CN 110234865 B 20220524; EP 3571387 A1 20191127; EP 3571387 B1 20210721; JP 2020505548 A 20200220; JP 6855582 B2 20210407; KR 20190103390 A 20190904; WO 2018134144 A1 20180726

DOCDB simple family (application)

FR 1750420 A 20170119; CN 201880007704 A 20180115; EP 18700566 A 20180115; EP 2018050822 W 20180115; JP 2019538622 A 20180115; KR 20197023845 A 20180115