

Title (en)

High-pressure fuel accumulator for common-rail injection systems

Title (de)

Hochdruck-Kraftstoffspeicher für Common-Rail Kraftstoffeinspritzsystemen

Title (fr)

Accumulateur de combustible haute pression pour systèmes d'injection à rampe commune

Publication

**EP 2299102 A1 20110323 (EN)**

Application

**EP 09425341 A 20090907**

Priority

EP 09425341 A 20090907

Abstract (en)

A high-pressure fuel accumulator for common-rail injection systems, comprising a tubular body (24) elongated in a longitudinal direction (A), having a longitudinal cylindrical hole (26) and a plurality of connection holes (28), each connection hole (28) having an internal end (30) open in said longitudinal cylindrical hole (26) and an external end (32) open onto an outer surface (34) of the tubular body (24). The tubular body (24) comprises at least one recess for reduction of the stresses (36) formed in the immediate vicinity of the internal end (30) of each of said connection holes (28), said recess for reduction of the stresses having an extension (L) limited in a longitudinal direction (A).

IPC 8 full level

**F02M 55/02** (2006.01)

CPC (source: EP)

**F02M 55/025** (2013.01); **F02M 2200/03** (2013.01)

Citation (applicant)

- EP 1413744 B1 20051228 - WAERTSILAE SCHWEIZ AG [CH]
- EP 1423601 B1 20070321 - SIEMENS AG [DE]

Citation (search report)

- [X] WO 03036075 A1 20030501 - BOSCH GMBH ROBERT [DE], et al
- [XI] DE 19948341 A1 20010419 - BOSCH GMBH ROBERT [DE]
- [XI] US 2005144558 A1 20050630 - DENTON JAMES E [US], et al
- [X] WO 2004036028 A1 20040429 - SIEMENS AG [DE], et al
- [X] DE 19949962 A1 20010426 - BOSCH GMBH ROBERT [DE]
- [I] WO 2008145818 A2 20081204 - WAERTSILAE FINLAND OY [FI], et al
- [A] EP 2072802 A1 20090624 - BOSCH CORP [JP]

Cited by

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Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

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