

Title (en)

HIGH-PRESSURE FUEL PUMP HAVING AN OUTLET VALVE

Title (de)

KRAFTSTOFFHOCHDRUCKPUMPE, MIT EINEM AUSLASSVENTIL

Title (fr)

POMPE À CARBURANT HAUTE PRESSION, POURVUE D'UNE SOUPAPE D'ÉVACUATION

Publication

**EP 3027885 A1 20160608 (DE)**

Application

**EP 14731265 A 20140618**

Priority

- DE 102013215275 A 20130802
- EP 2014062806 W 20140618

Abstract (en)

[origin: WO2015014536A1] The invention relates to a high-pressure fuel pump (10) comprising an outlet valve (32), a valve ball (38), a valve spring (40) acting on the valve ball (38) in the closing direction, and a stop body (60) for the valve ball (38), said stop body having a stop section (66) that limits the opening stroke of the valve ball (38), and the valve spring (40) being supported by the stop body (60). The stop body (60) has a cut-out section (62) which at least partially accommodates the valve spring (40) and the radial inner periphery of which forms a guide for the valve spring (40).

IPC 8 full level

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CPC (source: EP US)

**F02M 59/462** (2013.01 - EP US); **F02M 63/0054** (2013.01 - EP US); **F02M 2200/50** (2013.01 - EP US)

Citation (search report)

See references of WO 2015014536A1

Cited by

US11339688B2

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Designated extension state (EPC)

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DOCDB simple family (publication)

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