

Title (en)

SPRING WASHER FOR A PLUNGER ASSEMBLY OF A HIGH PRESSURE PUMP AND HIGH PRESSURE PUMP

Title (de)

FEDERTELLER FÜR EINE STÖSSELBAUGRUPPE EINER HOCHDRUCKPUMPE SOWIE HOCHDRUCKPUMPE

Title (fr)

CUVETTE DE RESSORT POUR UN ENSEMBLE POUSSOIR D'UNE POMPE À HAUTE PRESSION ET POMPE À HAUTE PRESSION

Publication

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Application

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Abstract (en)

[origin: WO2012146427A1] The invention relates to a spring washer for a plunger assembly (2) of a high pressure pump in a fuel injection system, wherein the spring washer (1) particularly has a bending punched part and a central recess (3) for receiving a pump piston (4). According to the invention, the spring washer (1) furthermore has at least two crescent-shaped recesses (5) arranged around the central recess (3) that form one support ring (6) located radially inside and one support ring (7) radially outside, which support rings are connected to one another by substantially radial webs (8), wherein the support ring (6) located radially inside has regions (9, 10), which are raised and lowered relative to a plane (E) and which are each arranged at an angle spacing to the substantially radial webs (8). The invention further relates to a high pressure pump for a fuel injection system having such a spring washer (1).

IPC 8 full level

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