

Title (en)
HIGH-PRESSURE FUEL PUMP

Title (de)
KRAFTSTOFF-HOCHDRUCKPUMPE

Title (fr)
POMPE À CARBURANT HAUTE PRESSION

Publication
EP 4081707 A1 20221102 (DE)

Application
EP 20793647 A 20201019

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Abstract (en)
[origin: WO2021129966A1] The invention relates to a high-pressure fuel pump with a housing, with a conveying chamber which is arranged in the housing, and with a conveying piston which is arranged in the housing such that it can be displaced in an axial direction, which conveying piston delimits the conveying chamber. It is provided that a guide of the conveying piston in the radial direction and a stop sleeve which prevents the conveying piston from falling out of the housing are realised jointly by way of a single hybrid component which has a metal section and a plastic section which is connected in a materially bonded manner to the metal section, wherein the conveying piston is capable of bearing in the axial direction by way of the annular shoulder thereof against the metal section of the hybrid component in order to be secured against falling out of the housing, and the conveying piston is fixed radially by bearing in the radial direction against the plastic section of the hybrid component.

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Citation (search report)
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