

Title (en)

PUMP, IN PARTICULAR FUEL INJECTION PUMP

Title (de)

PUMPE, INSBESONDERE KRAFTSTOFFEINSPRITZPUMPE

Title (fr)

POMPE, EN PARTICULIER POMPE D'INJECTION DE CARBURANT

Publication

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Application

**EP 22731211 A 20220601**

Priority

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- EP 2022064850 W 20220601

Abstract (en)

[origin: WO2023280482A1] The invention relates to a pump (1), in particular a fuel injection pump, comprising a housing part (2) having a cylindrical bore (3) in which a reciprocating rod (4) is received so as to be movable back and forth, wherein a rod seal (5) is integrated into the cylindrical bore (3) for media separation, in particular for separating the fuel as first medium from a lubricating medium as second medium. According to the invention, the housing part (2) forms a first stop surface (6) which limits the stroke of the reciprocating rod (4) and which interacts in a stop-forming manner with a second stop surface (7) formed on the reciprocating rod (4), wherein at least one stop surface (6, 7) has at least one relief groove (8) formed therein, via which the cylindrical bore (3) is connected to a media-conducting pressure chamber (9) when the reciprocating rod (4) comes into contact with the stop surface (6) of the housing part (2).

IPC 8 full level

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