

Title (en)

FUEL DELIVERY DEVICE FOR CRYOGENIC FUELS

Title (de)

KRAFTSTOFFFÖRDEREINRICHTUNG FÜR KRYOGENE KRAFTSTOFFE

Title (fr)

DISPOSITIF D'ALIMENTATION EN CARBURANT POUR CARBURANTS CRYOGÉNIQUES

Publication

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Application

EP 18800579 A 20181107

Priority

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- EP 2018080447 W 20181107

Abstract (en)

[origin: WO2019115097A1] The invention relates to a fuel delivery device for cryogenic fuels, comprising a piston pump (1) for delivering the cryogenic fuel at a high pressure, said piston pump (1) having a pump piston (2) that can be moved back and forth and delimits a compression chamber (3) at one end and a pressure chamber (5), which is formed in a hollow cylinder (4) and to which a hydraulic pressure medium can be supplied, at the other end. According to the invention, the pump piston (2) has an annular shoulder (6) for delimiting an additional pressure chamber (7) which is formed in the hollow cylinder (4) and to which the hydraulic pressure medium can likewise be supplied in order to reset the pump piston (2). The additional pressure chamber (7) is coupled to an accumulator volume (8) which is delimited by an accumulator sleeve (9) that is arranged on the hollow cylinder (4) in a movable manner back and forth and is biased by means of a return spring (10).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2019115097A1

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