

Title (en)  
PUMP FOR A HIGH-PRESSURE CLEANING DEVICE

Title (de)  
PUMPE FÜR EIN HOCHDRUCKREINIGUNGSGERÄT

Title (fr)  
POMPE POUR APPAREIL DE NETTOYAGE HAUTE PRESSION

Publication  
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Application  
**EP 03794866 A 20030809**

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Abstract (en)  
[origin: WO2004025123A1] The invention relates to a pump for a high-pressure cleaning device, comprising: at least one reciprocatingly driven piston that protrudes into a pump chamber of a pump case and into a drive chamber of the pump case; a high-pressure seal that rests against the periphery of the piston while being located in the area in which the piston enters the pump chamber; an oil seal that rests against the periphery of the piston while being located in the area in which the piston enters the drive chamber, and; a collecting chamber, which surrounds the piston between the high-pressure seal and the oil seal and which is provided for collecting liquid exiting the pump chamber while flowing past the high-pressure seal. The aim of the invention is to prevent this liquid from entering the drive chamber. To this end, the invention provides that the piston has at least one peripheral groove in the area between the high-pressure seal and the oil seal and that the high-pressure seal and the oil seal are located far enough apart so that the peripheral groove or the peripheral grooves neither reach the high-pressure seal nor the oil seal during the reciprocating motion of the piston.

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