

Title (en)

PISTON PUMP FOR A HIGH-PRESSURE CLEANING DEVICE

Title (de)

KOLBENPUMPE FÜR EIN HOCHDRUCKREINIGUNGSGERÄT

Title (fr)

POMPE À PISTON POUR UN APPAREIL DE NETTOYAGE SOUS HAUTE PRESSION

Publication

EP 2805050 A1 20141126 (DE)

Application

EP 12700837 A 20120120

Priority

EP 2012050869 W 20120120

Abstract (en)

[origin: WO2013107520A1] The invention relates to a piston pump (10) for a high-pressure cleaning device having a plurality of pump chambers (20), into which in each case one piston (22) which can move to and fro dips and which are flow-connected in each case via an upstroke valve (24) to a suction inlet (14) and via a delivery valve (26) to a pressure outlet (16), wherein the upstroke valve (24) comprises an upstroke-valve closing body (28) which can bear sealingly against an upstroke-valve seat (30), and wherein the delivery valve (26) comprises a delivery-valve closing body (48) which can bear sealingly against a delivery-valve seat (52), wherein the delivery-valve seat (52) and the upstroke-valve seat (30) are at different radial spacings from a pump longitudinal axis (64). In order to develop the piston pump in such way that it has an increased mechanical load-bearing capability without the material thickness thereof being increased, it is proposed that the delivery-valve seat (52) is arranged offset with respect to the upstroke-valve seat (30) in the circumferential direction of the piston pump in relation to the pump longitudinal axis (64).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2013107520A1

Cited by

DE102020131796A1; WO2022117239A1; DE102020131798A1; WO2022117240A1

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