

Title (en)
PRESSURE INTENSIFIER FOR SCREW-IN

Title (de)
DRUCKÜBERSETZER ALS EINSCHRAUBGERÄT

Title (fr)
MULTIPLICATEUR DE PRESSION EN TANT QUE VISSEUSE

Publication
EP 3242017 B2 20231011 (DE)

Application
EP 16168387 A 20160504

Priority
EP 16168387 A 20160504

Abstract (en)
[origin: US2017321728A1] A pressure intensifier for fluids, in particular for liquids, comprising a cylinder block in which a pressure intensifier piston and a control piston move cyclically, wherein the pressure intensifier piston forms a high-pressure working chamber and a low-pressure working chamber in the cylinder block and the cylinder block has a low-pressure connection for feeding in low-pressure fluid from outside, a high-pressure connection for discharging higher-pressure working fluid towards the outside and a connection for discharging fluid whose working capacity in the pressure intensifier is exhausted, wherein the cylinder block has a coupling portion rigidly connected with it, which can be inserted into a receiving bore of a hydraulic block and fixed there, so that the receiving bore encloses the coupling portion, wherein the coupling portion has at least two fluid transfer regions fluidically separated by a seal, for exchanging fluid between the pressure intensifier and the hydraulic block into which it is inserted.

IPC 8 full level
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CPC (source: EP US)
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