

Title (en)
HYDRAULIC OSCILLATING-PISTON DRIVE

Publication
EP 0043865 B1 19840328 (DE)

Application
EP 80104075 A 19800714

Priority
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Abstract (en)
[origin: EP0043865A1] 1. Hydraulic swivel piston drive, especially for working pressures exceeding 100 bar, with a stepped central swivel shaft (5, 5a) in a cross-divided housing (1, 2) that has a stand piston (19), a detachable hydraulic swivel piston (8) being arranged between two shaft steps (5a) in a circular cylinder chamber (13) that is limited by the two shaft steps (5a), the central shaft section in between and the housing (1, 2) and jointed to the shaft (5, 5a) by means of an axial fastener (7) in the form of a cylindrical pin without thread with O-rings (9) at the ends, characterized in that the axial fastener is of two-part design, the two parts being cylindrical pins without thread (7) provided with axial blocking elements (10) at their ends to prevent axial shifting in the bores of the shaft steps (5a), the cylindrical pins being undersized as against their bores in the shaft steps (5a) so that the swivel piston (8) that is surrounded by a sealing (22) can move radially within the set limits towards the shaft (5, 5a).

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F15B 15/12

IPC 8 full level
F15B 15/12 (2006.01)

CPC (source: EP)
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