

Title (en)
PRESSURE FLUID CYLINDER

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EP 0260344 A3 19880803 (DE)

Application
EP 86115369 A 19861106

Priority
DE 3631514 A 19860917

Abstract (en)
[origin: US4733604A] In a pressure cylinder (1) having an elongated axially slit cylinder structure closed at the ends in which a piston (4) is guided longitudinally slideable which carries a force transfer element (6) extending through an elongated axial slit (5), the elongated axial slit (5) of the cylinder structure is sealed in the longitudinal direction of the cylinder by a flexible sealing strip (7) disposed on the inside of the cylinder structure and held against a sealing surface (10) of the inside of the cylinder structure. To adapt the pressure cylinder (1) to a higher inner pressure the arrangement is such that the elastically deformable sealing strip (7) has a stiffening strip (13) of greater strength which is connected with it and disposed in the inside of the cylinder structure and which is covered in the direction of the piston (4) by the sealing strip (7). On the cylinder structure on both sides of the elongated axial slit (7) and following the sealing surfaces (10) engagement surfaces (14) are disposed, against which the stiffening strip (14) can be supported.

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CPC (source: EP US)
F15B 15/082 (2013.01 - EP US)

Citation (search report)

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- [A] EP 0147803 A2 19850710 - TOL O MATIC INC [US]
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