Title (en)
  SLAVE CYLINDER

Title (de)
  NEHMERZYLINDER

Title (fr)
  CYLINDRE RECEPTEUR

Publication
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Application
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Abstract (en)
  [origin: WO2006047981A1] The invention relates to a slave cylinder (1), especially for a hydraulic system of a motor vehicle, said slave cylinder comprising a housing provided with an outer tube (5) and a fixing ring, and a guiding sleeve provided with an inner tube (10). The outer tube and the inner tube define a pressure chamber wherein a ring piston can be arranged in an axially displaceable manner, and the guiding sleeve (2) comprises a fixing plate (11) which is pressed against the fixing ring (6). A seal (15) is arranged in a sealing groove between the inner region and the fixing plate, and a means (9) for exerting an axial force of the fixing ring on the fixing plate is arranged in the outer region of the fixing ring. The aim of the invention is to prevent the seal between the housing and the inner tube from failing, or at least to reduce the probability thereof under high internal pressures. To this end, the surface pressure generated between the inner region and the fixing plate by the means for exerting an axial force is higher than an expansion tension exerted thereon during operation by pressure from the pressure chamber.

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