

Title (en)
PRESSURE REGULATING DEVICE FOR A PERCUSSIVE HYDRAULIC APPARATUS

Title (de)
DRUCKREGELVORRICHTUNG FÜR EINE HYDRAULISCHE SCHLAGVORRICHTUNG

Title (fr)
DISPOSITIF DE REGULATION DE PRESSION POUR APPAREIL HYDRAULIQUE A PERCUSSION

Publication
EP 1691953 A1 20060823 (FR)

Application
EP 04805618 A 20041202

Priority

- FR 2004003098 W 20041202
- FR 0314529 A 20031211

Abstract (en)
[origin: US2007079697A1] A percussive apparatus comprises a body inside of which a striking piston is mounted in a cylinder bore. Two axially offset pieces are mounted inside the cylinder bore of the body while being concentric to the piston, and a deformable washer is placed between said pieces. One of the pieces is stationary with regard to the other piece that, however, is mounted in a manner that enables it to slide inside the cylinder bore and to be displaced in the direction of the stationary piece while being subjected to the action of the supply pressure of the hydraulic fluid that acts upon the surface of the moving piece facing away from the side opposite the stationary piece. The displacement of the moving piece causes the elastic washer to deform in order to create a passage with a variable cross-section on the return circuit of the hydraulic fluid to the reservoir or on a circuit that diverts, to the return circuit, a portion of the delivery flow of the apparatus whereby regulating the input pressure.

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US 2007079697 A1 20070412; US 7434503 B2 20081014; AT E382453 T1 20080115; AU 2004311658 A1 20050721; BR PI0417398 A 20070417; CA 2546267 A1 20050721; CN 100436074 C 20081126; CN 1890061 A 20070103; DE 602004011102 D1 20080214; DE 602004011102 T2 20090102; DK 1691953 T3 20080513; EP 1691953 A1 20060823; EP 1691953 B1 20080102; ES 2298855 T3 20080516; FR 2863671 A1 20050617; FR 2863671 B1 20060113; IL 175952 A0 20061005; JP 2007513786 A 20070531; KR 101089241 B1 20111202; KR 20060109502 A 20061020; NO 20063204 L 20060710; PT 1691953 E 20080331; WO 2005065892 A1 20050721; ZA 200604726 B 20070328

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