

Title (en)
Device for a hydraulic circuit

Title (de)
Vorrichtung für Hydraulikkreis

Title (fr)
Dispositif pour un circuit hydraulique

Publication
EP 0702158 A2 19960320 (DE)

Application
EP 95113856 A 19950904

Priority
DE 4433212 A 19940917

Abstract (en)
[origin: DE4433212C1] The hydraulic circuit is pressurised by the gas of a pyrotechnic generator transmitted via a drive plate (5), spring (6) and plunger (7). The generator consists of a propellant charge (4a) within a combustion chamber (4) which is fired electronically (13), using coil, plate or gas spring as convenient. All parts are held in a housing (3) exchangeably inserted in a surround wall (2), and the plunger acts directly on the hydraulic circuit oil (2a) in a movement limited by the shoulder (16) at the end of the housing. The drive plate moves within limits imposed by an arrester (15) provided in the housing and the combustion chamber is enclosed in a hermetically sealed gas bellows. The electronic charge firing system charges hot wire to ignite the charge etc. This loads the plate which pressurises the oil via sprig and plunger within mechanically permitted limits (15,16), using the spring to maintain the oil pressure.

Abstract (de)
In einer Vorrichtung (1) setzt das Gas eines pyrotechnischen Gaserzeugers über einen Treibspiegel (5) eine Feder (6) und einen Druckstempel (7) einen Hydraulikkreis unter Druck. Der pyrotechnische Gaserzeuger besteht aus einer in einer Brennkammer (4) befindlichen Treibladung (4a), die durch eine Anzündelektronik (13) angezündet wird. Alle Teile der Vorrichtung (1) sind in einem Gehäuse (3) enthalten, welches in eine den Hydraulikkreis umschließende Wandung (2) austauschbar eingesetzt ist. <IMAGE>

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F15B 15/19

IPC 8 full level
F15B 15/19 (2006.01)

CPC (source: EP US)
F15B 15/19 (2013.01 - EP US)

Citation (applicant)
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