

Title (en)
Device for a hydraulic circuit

Title (de)
Vorrichtung für Hydraulikkreis

Title (fr)
Dispositif pour un circuit hydraulique

Publication
EP 0702158 A3 19960814 (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.

IPC 1-7
F15B 15/19

IPC 8 full level
F15B 15/19 (2006.01)

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

Citation (search report)
• [PX] DE 4330216 A1 19950309 - DEUTSCHE AEROSPACE [DE]
• [A] EP 0009346 A1 19800402 - SPERRY LTD [GB]
• [DA] DE 3937032 A1 19910508 - DYNAMIT NOBEL AG [DE]

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DE 4433212 C1 19960125; CA 2158398 A1 19960318; EP 0702158 A2 19960320; EP 0702158 A3 19960814; US 5582010 A 19961210

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DE 4433212 A 19940917; CA 2158398 A 19950915; EP 95113856 A 19950904; US 52911095 A 19950915