

Title (en)
HYDRAULIC IMPACT MECHANISM

Title (de)
HYDRAULISCHE SCHLAGEINRICHTUNG

Title (fr)
MÉCANISME DE FRAPPE HYDRAULIQUE

Publication
EP 2076364 A1 20090708 (EN)

Application
EP 07835133 A 20071024

Priority
• SE 2007000932 W 20071024
• SE 0602237 A 20061025

Abstract (en)
[origin: WO2008051146A1] In a hydraulic impact device an impact piston (12) is reciprocated in a cylinder bore (10) and has a central drive portion (20) energised in an activation section (16) of the cylinder bore (10), and a forward end portion (23) and a rear end portion (25) of the impact piston (12) form clearance seals (24,26) visavi the cylinder bore (10), and at the ends of the cylinder bore (10) there are provided low pressure chambers (34,35) which together with a communication passage (36) form a low pressure circuit which is continuously connected to the tank (28). The low pressure chambers (34,35) at the ends of the cylinder bore (10) enables the impact piston (12) to be sealed off by clearance seals only, whereby piston leakage is prevented without the use of seal rings.

IPC 8 full level
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