

Title (en)

DAMPING DEVICE FOR A HYDRAULIC CIRCUIT

Title (de)

DÄMPFUNGSVORRICHTUNG FÜR EINE HYDRAULISCHEKREIS

Title (fr)

DISPOSITIF AMORTISSEUR PUR UN CIRCUIT HYDRAULIQUE

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Application

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Abstract (en)

[origin: WO2004071929A1] Damping device (5) for a hydraulic system of a working machine, for damping pressure oscillations in the hydraulic system including a hydraulic cylinder (1), said damping device having a first accumulator (6), having a first preloading pressure P_1 , and a second accumulator (7), having a second preloading pressure P_{er} wherein $P_1 < P_2$, said accumulators being in hydraulic connection with the hydraulic cylinder. According to the invention, the first accumulator is connected to the hydraulic cylinder via a first throttle valve (8), which has a flow opening having a flow area A_1 , and the second accumulator is connected to the hydraulic cylinder via a second throttle valve (9), which has a flow opening having a flow area A_2 , wherein $A_1 > A_2$. The invention also relates to a hydraulic system including such a damping device.

IPC 8 full level

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