

Title (en)
HYDRAULIC SYSTEM WITH IMPROVED PULSATION DAMPING

Title (de)
HYDRAULIKAGGREGAT MIT VERBESSERTER PULSATIONS DÄMPFUNG

Title (fr)
UNITÉ HYDRAULIQUE CARACTÉRISÉE PAR UN AMORTISSEMENT DE PULSATIONS AMÉLIORÉ

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Application
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Abstract (en)
[origin: WO2009098235A1] The invention relates to a hydraulic system HCU comprising a receiving body (1) with electrohydraulic valves (2, 3) with at least one hydraulic pump (4), and with channels for connecting the pump (4) to at least one hydraulic load, wherein as a result of the delivery of a pressure medium by the pump (4) and/or as a result of pressure medium being withdrawn by the load a pulsation situation arises, and at least one damping unit (7) is provided, which comprises a plurality of pulsation damping means such as, in particular, a damping chamber (8), and orifice (9, 10). The object of the invention is to refine generic hydraulic systems such that a uniform and cost-effective solution is provided for very different operating situations and a decrease in comfort as a result of the pulsation effect is prevented. The object is achieved in that the damping unit (7) comprises at least one switching means for adjusting the action of said damping unit (7) to a varied pulsation situation by connecting or disconnecting one or more damping means.

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Citation (search report)
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