

Title (en)
HYDRAULIC CONTROL SYSTEM

Title (de)
HYDRAULISCHE STEUERANORDNUNG

Title (fr)
SYSTEME DE COMMANDE HYDRAULIQUE

Publication
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Application
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Abstract (en)
[origin: WO03006753A1] The invention relates to a hydraulic control system for damping the operational vibrations of a mobile machine comprising a lifting cylinder (2) which supports a tool, the chambers (12, 14) of the cylinder being connected to a hydraulic fluid source (6, 10) or a reservoir (T) by means of a control valve system (4). Said hydraulic control system comprises a damping valve system (8) having a control valve (24) in which a non-return valve (30) is integrated, by which means a region (12) on the bottom side of the lifting cylinder (2) can be connected to a hydraulic accumulator (10). In the pressure limitation function, the accumulator (10) can be connected to a reservoir (T) in such a way that the accumulator pressure is limited to a maximum value.

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