Title (en)

HYDRAULIC CONTROL SYSTEM FOR A MOBILE WORK MACHINE, ESPECIALLY A WHEEL LOADER

Title (de)

HYDRAULISCHE STEUERANORDNUNG FÜR EINE MOBILE ARBEITSMASCHINE, INSBESONDERE FÜR EINEN RADLADER

Title (fr)

SYSTEME DE COMMANDE HYDRAULIQUE POUR UNE MACHINE DE TRAVAIL MOBILE, EN PARTICULIER POUR UN CHARGEUR SUR ROUES

Publication

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Application

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Priority

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Abstract (en)

[origin: DE19711769A1] The invention relates to a hydraulic control system for use predominantly for a mobile working machine, especially a wheel loader, comprising at least one hydraulic cylinder (12) which helps to move the working tool, a distribution valve (11) for controlling the pressure channels between the hydraulic cylinder (12), a pressure source and a tank (27), a hydraulic accumulator (21) which can be connected to the pressure source via a filling line (20) and a control valve (50, 60, 75). Said control valve provides the means for controlling the opening and closing of a connection between the hydraulic accumulator (21) and the hydraulic cylinder (12). The aim of a hydraulic control system of this type is to avoid unwanted movements of the hydraulic cylinder. According to the invention, the inventive hydraulic accumulator can only be filled up when the distribution valve is activated in order to achieve this aim.

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