

Title (en)

HYDRAULIC MULTI-LOAD SYSTEM WITH ENERGY-EFFICIENT HYDRAULIC CIRCUIT

Title (de)

HYDRAULISCHES MEHRVERBRAUCHERSYSTEM MIT ENERGIEEFFIZIENTER HYDRAULISCHER SCHALTUNG

Title (fr)

SYSTÈME HYDRAULIQUE À CHARGES MULTIPLES AVEC COMMUTATION HYDRAULIQUE ÉNERGÉTIQUEMENT PLUS EFFICACE

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Application

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Abstract (en)

[origin: WO2014121910A1] The invention relates to a hydraulic multi-load system with an energy-efficient hydraulic circuit, comprising a hydraulic source (7) for a volumetric flow rate of a hydraulic medium and comprising at least two loads (1, 2, 3) with control valves (4, 5, 6), each load being connected to the source via a respective feed line (11) and a respective return line (12). The aim of the invention is to provide a hydraulic multi-load system which does not have additional sensors and which has a reduced energy requirement and produces less lost energy. This is achieved in that at least one hydraulic store (27) or buffer is provided, the store or buffer has a hydraulic connection to at least one return line, and at least one return line has means for diverting hydraulic medium into the store or the buffer.

IPC 8 full level

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