

Title (en)

METHOD FOR OPERATING A HYDRAULIC PUMP ARRANGEMENT, AND HYDRAULIC PUMP ARRANGEMENT

Title (de)

VERFAHREN ZUM BETRIEB EINER HYDRAULIKPUMPENANORDNUNG SOWIE HYDRAULIKPUMPENANORDNUNG

Title (fr)

PROCÉDÉ D'UTILISATION D'UN ENSEMBLE À POMPE HYDRAULIQUE ET ENSEMBLE À POMPE HYDRAULIQUE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2013127452A1] The invention relates to a method for operating a hydraulic pump arrangement of a hydraulic tool that is in particular portable and operates by means of an autonomous power supply or depending on the network, wherein the hydraulic pump arrangement is releasably connected to the hydraulic tool by means of a hose connection and is driven by an electrical power source powered, and a load-dependent control of the hydraulic pump takes place by switching from a loaded state to a non-loaded state and vice versa, wherein furthermore a first higher electrical power supply is implemented for the loaded state and a second lower electrical power supply is implemented for the non-loaded state. In order to achieve the aim of providing a novel method for operating a hydraulic pump arrangement and a novel hydraulic pump arrangement which ensures a saving of energy and problem-free operation even in different system pressure conditions, the invention relates to a method that is characterised in that a control variable (S) is fixed for the load-dependent control of the hydraulic pump arrangement, which variable is dependent as an input value on the work to be performed by the motor of the hydraulic pump arrangement, a first threshold value (W1) at which switching from the non-loaded state to the loaded state takes place is assigned to the control variable (S), and a second threshold value (W2) at which switching from the loaded state to the non-loaded state takes place is assigned to the control variable (S).

IPC 8 full level

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