

Title (en)

METHOD FOR CONTROLLING A COMBINED ROTATION-THRUST MOVEMENT

Title (de)

VERFAHREN ZUM STEUERN EINER KOMBINIERTEN DREH-SCHUB-BEWEGUNG

Title (fr)

PROCEDE DE COMMANDE D'UN MOUVEMENT COMBINE DE ROTATION/DE POUSSEE

Publication

EP 2987762 B1 20190612 (DE)

Application

EP 15181758 A 20150820

Priority

DE 102014216736 A 20140822

Abstract (en)

[origin: US2016052760A1] The invention relates to a method and device for controlling a combined rotary/push movement of a load-receiving means of an industrial truck, in particular a three-way stacker, both the rotary movement and the push movement being brought about by means of respective hydraulic elements (32, 34), which are supplied with hydraulic fluid by a single hydraulic pump (22) which is driven by an associated pump motor (24), and a performance characteristic of the hydraulic pump (22) being controlled according to a predetermined progression over time during the rotary/push movement; the industrial truck comprising a valve assembly (30) which is designed to be operated such that, below a threshold value for the hydraulic pressure provided by the hydraulic pump (22), only the rotary movement of the load-receiving means is brought about, while, above the threshold value, both the rotary movement and the push movement are brought about. Here, sensor means (36a, 36b) are provided which detect a temperature of the pump motor (24) and/or of the hydraulic pump (22), and the predetermined progression over time of the performance characteristic of the hydraulic pump (22) during the rotary/push movement is adapted according to a predetermined relationship depending on the temperature of the pump motor (24) and/or of the pump (22) detected by the sensor means (36a, 36b).

IPC 8 full level

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