

Title (en)

Hydraulic drive system for a stage with adjustable speed hydraulic pump as control element

Title (de)

Hydraulisches Antriebssystem für eine Schauspielbühne mit drehzahlverstellbarer Hydraulikpumpe als Steuerelement

Title (fr)

Système d'entraînement hydraulique pour une scène de théâtre avec une pompe hydraulique à réglage de vitesse comme élément de commande

Publication

EP 2529821 B1 20170426 (DE)

Application

EP 12169701 A 20120529

Priority

DE 102011103515 A 20110603

Abstract (en)

[origin: EP2529821A1] The system has a check valve unit (90) arranged between an actuator and a controlling element, so that the check valve unit selectively blocks fluid flow i.e. oil flow, from the actuator to a storing unit. The controlling element includes a hydraulic pump (75) that is operated as a hydraulic motor, where the hydraulic pump stands in rotational drive-connection with an electric motor (76). The electric motor is connected with a rotational speed controlling unit (80) that adjusts a rotational speed of the electric motor to a predetermined target value.

IPC 8 full level

A63J 1/00 (2006.01); **A63J 1/02** (2006.01)

CPC (source: EP)

A63J 1/028 (2013.01)

Citation (examination)

DE 3723845 A1 19890126 - KRUPP GMBH [DE]

Cited by

CN108386417A; WO2018080958A2; WO2018080958A3

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