

Title (en)

DEVICE FOR REGULATING THE TILT FUNCTION OF A LIFTING MAST, IN PARTICULAR FOR A FORK-LIFT TRUCK

Title (de)

EINRICHTUNG ZUM STEUERN DER NEIGENFUNKTION EINES HUBMASTES, INSBESONDERE FÜR EINEN GABELSTAPLER

Title (fr)

DISPOSITIF SERVANT A REGULER LA FONCTION D'INCLINAISON D'UN MAT DE LEVAGE, NOTAMMENT POUR UN CHARIOT A FOURCHE

Publication

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Application

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Priority

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- DE 10007688 A 20000219

Abstract (en)

[origin: WO0160734A1] A device (10) for controlling the tilt function of a lifting mast (11), for a fork-lift truck (12) is disclosed, whereby a double-acting working cylinder (16), activating the lifting mast (11), is operated in a closed regulating circuit (55) on tilting. A setpoint generator (25) for the speed of tilt cooperates with control electronics (23), which obtain a measured value of tilt speed from a position sensor (27) and hence control an electromagnetically-operated distribution valve, such that any deviations are controlled out. The run-off control edge (42) in the distribution valve (21) is used for control of the volume flow with a driving load, such that complex pilot valves are not necessary.

IPC 1-7

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CPC (source: EP)

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