

Title (en)
FORK LIFT WITH CONTROL DEVICE

Title (de)
GABELSTAPLER MIT STEUERVORRICHTUNG

Title (fr)
CHARIOT ELEVATEUR A FOURCHE AVEC DISPOSITIF DE COMMANDE

Publication
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Application
EP 02708269 A 20020110

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Abstract (en)
[origin: WO02055426A2] The invention relates to a control device for a working device (12) connected to a hydraulic circuit (10), especially for a load fork (16) which can be raised and lowered with a working cylinder (14) in a fork-lift truck, comprising a valve control unit which moves into an adjustment position when the load fork (16) is lowered even when carrying a load (18), a predefinable maximum volume flow being maintained in the hydraulic circuit (10). By providing the valve control unit with a pressure regulator (26) limiting a pilot control pressure for the control valve (28), once a predefinable regulating pressure differential is reached in the hydraulic circuit, said control valve moves into a regulating position in order to maintain the maximum volume flow and the known flow control valve is replaced in the main flow by a pressure regulator (26) disposed in the pilot control circuit (40) and which only needs to be dimensioned for low volume flows. As a result, the control system can be constructed using simple, low-cost components which operate in a functionally reliable manner and enable stable control behaviour.

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