

Title (en)

METHOD AND CONTROL SYSTEM OF AN ACTUATOR OF AN ARM OF AN AGRICULTURAL OR WORK VEHICLE

Title (de)

VERFAHREN UND STEUERSYSTEM EINES AKTUATORS EINES ARMS EINES LANDWIRTSCHAFTS- ODER ARBEITSFAHRZEUGS

Title (fr)

PROCÉDÉ ET SYSTÈME DE COMMANDE D'UN ACTIONNEUR D'UN BRAS D'UN VÉHICULE AGRICOLE OU DE TRAVAIL

Publication

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Application

**EP 22152571 A 20220120**

Priority

IT 202100001508 A 20210126

Abstract (en)

[origin: EP4033036A1] Control method of an actuator of an arm of an agricultural or work vehicle subject to a load, in which the arm (B) comprises at least one element (AR, TL) directly or indirectly hinged to a vehicle frame (F) and a double action actuator (A1, A2) comprising a lifting chamber (CH1) and a lowering chamber (CH2) opposite the lifting chamber and a directional valve (V1, V2), the method comprising a first step (ST1) of calculate a flow value of hydraulic oil directed to the lowering chamber (CH2) from the directional valve and a corresponding first flow value (F1) of hydraulic oil destined to be discharged from the lifting chamber (CH1), a second step (ST2) of detecting a second flow value (F2) of hydraulic oil actually discharged from the lifting chamber due to the load and a third step (ST3) of adjusting the directional valve (V1, V2) so as to force said second value to equate the first flow value, when the second value exceeds the first (CK = Yes).

IPC 8 full level

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CPC (source: EP)

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