

Title (en)

FLUID OPERATED DRIVE AND METHOD FOR CONTROL THEREOF

Title (de)

FLUIDISCH BETÄTIGTER ANTRIEB SOWIE VERFAHREN ZUR STEUERUNG DESSELBEN

Title (fr)

MECANISME D'ENTRAÎNEMENT A COMMANDE FLUIDIQUE ET PROCEDE DE COMMANDE CORRESPONDANT

Publication

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Application

**EP 06721249 A 20060511**

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Abstract (en)

[origin: WO2006122339A1] The invention relates to a fluid-operated drive (1) and a method for control thereof with components which may be adjusted relative to each other, of which one component may be displaced in a first and an opposing second movement direction by means of a switch element (10, 11). In a first displacement phase for the component, a first measured signal (S<SUB>1</SUB>) is recorded shortly before reaching the approached end position at a time (T<SUB>1</SUB>) by a switch flag arrangement and a second measured signal (S<SUB>2</SUB>) recorded at a later time (T<SUB>2</SUB>). A time span (t<SUB>1st</SUB>) is subsequently determined by the controller (13) from the time difference between the measured signals (S<SUB>1</SUB>, S<SUB>2</SUB>) and used by a regulator for a soft approach to the end position from a variance comparison between a fixed time span (t<SUB>1Soll</SUB>) and the determined time span (t<SUB>1st</SUB>) to determine a parameter for at least one of two different serial switch times for the switch element (10, 11). A switch time for the switch element (10, 11) in the further displacement phase subsequent to and in the same direction as the first displacement phase is set by means of the parameter.

IPC 8 full level

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