

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 PROCÉDE DE COMMANDE CORRESPONDANT

Publication

EP 1882102 B1 20100922 (DE)

Application

EP 06721249 A 20060511

Priority

- AT 2006000193 W 20060511
- AT 8642005 A 20050520

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 (S₁) is recorded shortly before reaching the approached end position at a time (T₁) by a switch flag arrangement and a second measured signal (S₂) recorded at a later time (T₂). A time span (t_{1st}) is subsequently determined by the controller (13) from the time difference between the measured signals (S₁, S₂) and used by a regulator for a soft approach to the end position from a variance comparison between a fixed time span (t_{1Soll}) and the determined time span (t_{1st}) 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

F15B 11/048 (2006.01)

CPC (source: EP)

F15B 11/042 (2013.01); **F15B 11/044** (2013.01); **F15B 11/048** (2013.01); **F15B 15/228** (2013.01); **F15B 15/2807** (2013.01); **F15B 21/085** (2013.01); **F15B 21/087** (2013.01); **F15B 2211/30525** (2013.01); **F15B 2211/3057** (2013.01); **F15B 2211/3127** (2013.01); **F15B 2211/327** (2013.01); **F15B 2211/6336** (2013.01); **F15B 2211/7053** (2013.01); **F15B 2211/7741** (2013.01); **F15B 2211/853** (2013.01)

Cited by

DE102017117000A1; WO2019020617A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2006122339 A1 20061123; AT 501935 A1 20061215; AT E482338 T1 20101015; DE 502006007920 D1 20101104; EP 1882102 A1 20080130; EP 1882102 B1 20100922; EP 1882102 B8 20101117

DOCDB simple family (application)

AT 2006000193 W 20060511; AT 06721249 T 20060511; AT 8642005 A 20050520; DE 502006007920 T 20060511; EP 06721249 A 20060511