Title (en)
  HYDRAULIC DRIVE FOR DISPLACING AN ACTUATOR

Title (de)
  HYDRAULISCHER ANTRIEB ZUM VERLAGERN EINES STELLGLIEDES

Title (fr)
  ENTRAINEMENT HYDRAULIQUE SERVANT A DEPLACER UN ACTIONNEUR

Publication
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Application
  EP 04736733 A 20040614

Priority
  • AT 2004000202 W 20040614
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Abstract (en)
  [origin: WO2004111468A1] The invention relates to a hydraulic drive for displacing an actuator (7) between two predefined end positions, said drive comprising a piston unit (4), which is housed in a cylinder unit (3) and can be impinged in opposing directions by means of hydraulic springs, and a control device for the alternate impingement of the piston unit (4) in opposing directions. The aim of the invention is to create advantageous construction conditions. To achieve this: the cylinder unit (3) comprises an end section (10) with a smaller cross-section than the rest of the cylinder chamber (9), said end section housing and sealing the respective end face (12) of the piston unit (4) in its corresponding end position; the end sections (10), which are connected to a return line (14) for the hydraulic fluid via a restrictor (13), are delimited in relation to the rest of the cylinder chamber (9) by a respective control edge (11); and the control device consists of a positioning drive (28), which allows the axial displacement of the control edge (11) in relation to the end face (12) of the piston.

IPC 1-7
  F15B 15/26; F15B 15/20

IPC 8 full level
  F15B 15/20 (2006.01); **F15B 15/26** (2006.01)

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  F15B 15/20 (2013.01 - KR); **F15B 15/204** (2013.01 - EP US); **F15B 15/26** (2013.01 - EP KR US)

Citation (search report)
  See references of WO 2004111468A1

Cited by
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