

Title (en)  
PRESSURE FLUID DRIVEN ACTUATOR

Publication  
**EP 0233500 B1 19900808 (DE)**

Application  
**EP 87100823 A 19870122**

Priority  
DE 3601822 A 19860122

Abstract (en)  
[origin: EP0233500A1] 1. A pressure medium driven actuator, comprising an elastomeric bellows (1), preferably rotationally symmetric, which is sealingly arranged with its axial ends between two housing parts (2, 3), as well as a guide element (6) which passes axially through the interior of the bellows and is connected securely to the first housing part (3) and is mounted on the second housing part (2) in a guide (9), enabling axial relative movement between said housing part and the said guide element (6) ; characterised in that : for achieving inner guidance of the two housing parts (2, 3), a sliding or rolling bearing (9) arranged on the second housing part (2) is provided between the second housing part (2) and the guide element (6), which bearing is provided with a slip-ring-seal which seals the pressure chamber (7) of the bellows (1), and the sliding or rolling bearing (9) is constructed such that the guide element (6) is mounted on the second housing part (2) to enable only movement in the axial direction.

IPC 1-7  
**B66F 3/35; F15B 15/10**

IPC 8 full level  
**B66F 3/35** (2006.01); **F15B 15/10** (2006.01)

CPC (source: EP)  
**F15B 15/10** (2013.01)

Citation (examination)  
DE 3032638 A1 19810319 - VYSOKA SKOLA STROJNI TEXTILNI

Cited by  
DE4108312A1; EP0470025A1; FR2665490A1; WO2016016586A1; WO2018078138A1

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