

Title (en)
HYDRAULIC TRANSMISSION ACTUATOR

Title (de)
HYDRAULISCHER GETRIEBEAKTUATOR

Title (fr)
ACTIONNEUR DE TRANSMISSION HYDRAULIQUE

Publication
EP 1747388 A1 20070131 (DE)

Application
EP 05716139 A 20050317

Priority
• EP 2005002830 W 20050317
• DE 102004022722 A 20040507

Abstract (en)
[origin: WO2005114008A1] The invention relates to a hydraulic transmission actuator which comprises a piston/cylinder unit, whereby an adjusting piston (8) is able to be longitudinally displaced inside the cylinder housing (4) subdividing the cylinder compartment (6) into at least two pressure compartments (6a, 6b) which can be impinged upon with hydraulic oil via control lines (24, 26). A piston rod (12, 14) is linked with the adjusting piston (8). A sealing element (10) is disposed on the adjusting piston (8) and seals the two pressure compartments (20, 22) from each other. According to the invention, the diameter of the cylinder housing (4) is locally reduced, thereby increasing the radial pressure with which the sealing element (10) is forced against the inner cylinder wall.

IPC 8 full level
F16H 61/30 (2006.01); **F15B 15/14** (2006.01); **F16J 15/16** (2006.01)

CPC (source: EP US)
F15B 15/1447 (2013.01 - EP US); **Y10T 74/19251** (2015.01 - EP US)

Citation (search report)
See references of WO 2005114008A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
WO 2005114008 A1 20051201; DE 102004022722 A1 20051124; DE 502005004285 D1 20080710; EP 1747388 A1 20070131; EP 1747388 B1 20080528; JP 2007536478 A 20071213; JP 4809832 B2 20111109; US 2007199394 A1 20070830; US 7469625 B2 20081230

DOCDB simple family (application)
EP 2005002830 W 20050317; DE 102004022722 A 20040507; DE 502005004285 T 20050317; EP 05716139 A 20050317; JP 2007511894 A 20050317; US 59267705 A 20050317