

Title (en)
FLUID PRESSURE ACTUATORS

Publication
EP 0161919 A3 19860716 (EN)

Application
EP 85303311 A 19850510

Priority
GB 8412147 A 19840511

Abstract (en)
[origin: EP0161919A2] A fluid pressure actuator has a cylinder (2) comprising a rectilinearly displaceable piston (10) that acts on a drive member (40) to rotate the drive member during a first, greater part of the stroke of the piston and then moves the drive member rectilinearly for the remaining part of the stroke. The rotation is generated by a spiral cam mechanism (26, 42). Further cam means (48, 52, 48) restrain linear displacement of the drive member during the first part of the stroke but permit its rotation to a predetermined angular position and thereafter said further cam means restrain said rotation but permit said linear displacement by the piston. Cushioning means (70, 84) are provided whereby the end of the rotational movement preceding the linear movement are cushioned, but not the linear movement.

IPC 1-7
E05F 15/02

IPC 8 full level
F15B 15/06 (2006.01); **E05F 15/02** (2006.01); **E05F 15/56** (2015.01); **F15B 15/08** (2006.01)

CPC (source: EP)
E05F 15/50 (2015.01); **E05F 15/565** (2015.01); **F15B 15/068** (2013.01); **E05Y 2900/51** (2013.01)

Citation (search report)
• [X] GB 2103709 A 19830223 - VAPOR CORP [US]
• [A] GB 794062 A 19580430 - PETERS G D & CO LTD, et al
• [A] GB 2073815 A 19811021 - IFE GMBH

Cited by
DE3705369A1; EP0279237A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0161919 A2 19851121; **EP 0161919 A3 19860716**; AU 4222385 A 19851114; BR 8502231 A 19860114; GB 8412147 D0 19840620; JP S6136503 A 19860221; ZA 853444 B 19861230

DOCDB simple family (application)
EP 85303311 A 19850510; AU 4222385 A 19850509; BR 8502231 A 19850510; GB 8412147 A 19840511; JP 10036185 A 19850511; ZA 853444 A 19850507