

Title (en)
Hydraulic actuator of the oscillating-vane type.

Title (de)
Hydraulischer Schwenkflügelantrieb.

Title (fr)
Vérin hydraulique du type à clapet oscillant.

Publication
EP 0065588 A1 19821201 (EN)

Application
EP 81104040 A 19810526

Priority
EP 81104040 A 19810526

Abstract (en)
A novel rotary actuator utilizes viscosity of the oil and prevents the oil leakage. without using the sealing member to the vane. The instant device installs the flanges (13, 14) in parallel and fixes the vane therebetween, and sets within the cylinder (1) the rotor keeping the stopper (8) therebetween, not fixing it, and the radial bearings (24, 25) at the both sides of the cylinder (1) to support the stopper (8), whereby a fine clearance is maintained between the flange (13, 14) and the inner wall of the cylinder (1). The rotor is formed in order of machining into flanges, small diameter portions and a rotary shaft. The vane is formed by cutting the material of doughnut shape into a sector.

IPC 1-7
F15B 15/12

IPC 8 full level
F15B 15/12 (2006.01)

CPC (source: EP)
F15B 15/12 (2013.01)

Citation (search report)

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Designated contracting state (EPC)
CH DE GB SE

DOCDB simple family (publication)
EP 0065588 A1 19821201; EP 0065588 B1 19870401; DE 3176067 D1 19870507

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