

Title (en)
PRESSURE FLUID SERVO AMPLIFIER

Publication
EP 0336887 B1 19910130 (DE)

Application
EP 89810182 A 19890309

Priority
CH 130488 A 19880408

Abstract (en)
[origin: EP0336887A1] The servo amplifier comprises a polygonal control valve (8), a pilot motor (36) and also a cylinder unit (1). A nut (32) is mounted in the housing (9) of the valve (8) in a rotatable but axially fixed manner. It is connected to the output shaft (37) of the pilot motor (36) in such a way as to be fixed in terms of rotation. With a thread (31) of fine pitch, a control shaft (25) is screwed into the nut (32). At the opposite end, the control shaft (25) is screwed with a coarse thread (28) into a nut (29) connected to the piston (3) of the cylinder unit (1). Great flexibility is obtained with this design. With relatively few individual parts, servo amplifiers with different power ranges can be assembled for both pneumatic and hydraulic applications. <IMAGE>

IPC 1-7
F15B 9/12

IPC 8 full level
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CPC (source: EP)
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Citation (examination)
CH 658302 A5 19861031 - SIG SCHWEIZ INDUSTRIEGES

Cited by
CN105298970A; WO0061392A1

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